BDP9000

PHILIPS

Return your Product Registration Card today to get the very most from your purchase.

Registering your model with PHILIPS makes you eligible for all of the valuable benefits listed below, so don't miss out. Complete and return your Product Registration Card at once to ensure:

*Proof of Purchase
Returning the enclosed card guarantees that your date of purchase will be on file, so no additional paperwork will be required from you to obtain warranty service.

*Product Safety Notification
By registering your product, you'll receive notification - directly from the manufacturer - in the rare case of a product recall or safety defect.

*Additional Benefits of Product Ownership
Registering your product guarantees that you'll receive all of the privileges to which you're entitled, including special money-saving offers.

PHILIPS

Congratulations on your purchase, and welcome to the "family!"

Dear PHILIPS product owner:

Thank you for your confidence in PHILIPS. You've selected one of the best-built, best-backed products available today. We'll do everything in our power to keep you happy with your purchase for many years to come.

As a member of the PHILIPS "family," you're entitled to protection by one of the most comprehensive warranties and outstanding service networks in the industry. What's more, your purchase guarantees you'll receive all the information and special offers for which you qualify, plus easy access to accessories from our convenient home shopping network.

Most importantly, you can count on our uncompromising commitment to your total satisfaction.

All of this is our way of saying welcome - and thanks for investing in a PHILIPS product.

P.S. To get the most from your PHILIPS purchase, be sure to complete and return your Product Registration Card at once.

Know these
safety *symbols*

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This "bolt of lightning" indicates uninsulated material within your unit may cause an electrical shock. For the safety of everyone in your household, please do not remove product covering.

The "exclamation point" calls attention to features for which you should read the enclosed literature closely to prevent operating and maintenance problems.

WARNING: To reduce the risk of fire or electric shock, this apparatus should not be exposed to rain or moisture, and objects filled with liquids, such as vases, should not be placed on this apparatus.

CAUTION: To prevent electric shock, match wide blade of plug to wide slot, fully insert.

ATTENTION: Pour éviter les choc électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqu'au fond.

For Customer Use
Enter below the Serial No. which is located on the rear of the cabinet. Retain this information for future reference.
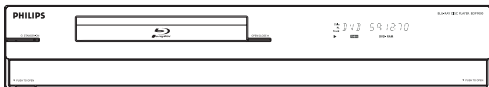
Model No. _____

Serial No. _____

PHILIPS *Visit our World Wide Web Site at http://www.usasupport.philips.com*

Contents

Technical data 36

Information 39

Glossary..42

What's in the box

a. BDP9000
Blu-ray Disc player
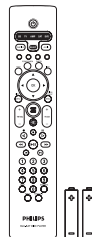
b. RC4380
Remote control
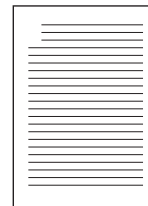
c. Quick start guide
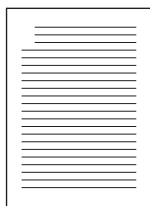
d. BDP9000
User manual
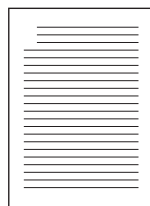
e. RC4380
User manual

f. Product
registration card

g. HDMI cable
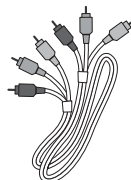
i. Component
video cable
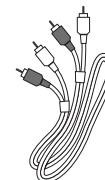
j. Audio cable

What else you'll need

HDTV
Television
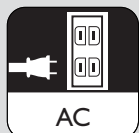
AC
Power outlet

Result after installation
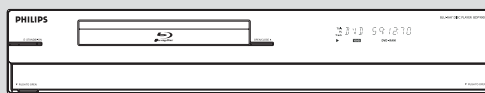
HDTV

Optional components (not supplied)
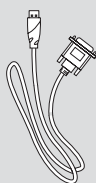
HDMI-DVI
cable
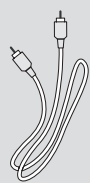
Composite
video cable
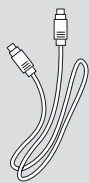
S-Video
cable
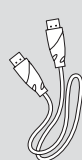
Additional
HDMI
cable

Optical
audio cable
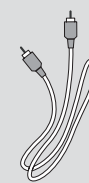
Coaxial
audio cable

Audio cable
(2x)

Your product
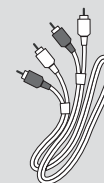
BDP9000 Blu-ray Disc player

Watch movies in the highest picture quality available for your HDTV

The BDP9000 Blu-ray Disc player offers full high-definition video playback up to 1080p resolution for an amazing viewing experience. A highly detailed picture and increased sharpness delivers a more true-to-life picture.

Upconvert DVDs for enhanced picture quality

Your current DVDs will look even better than before thanks to video upconversion. Upconversion will increase the resolution of standard definition DVDs to high definition up to 1080p over an HDMI connection. The picture will be less jagged and more realistic for a near high-definition experience.

Enjoy your content on different kinds of media

Full backwards compatibility with DVDs, CDs ensures that you can continue to enjoy your current audio-video collection. Additionally, you can view JPEG digital pictures or listen to MP3 music files on popular memory card formats, thanks to the built-in memory card reader.

Listen to rich uncompressed multi-channel surround sound

The BDP9000 supports 5.1 channels of uncompressed audio, which realizes real-to-life sound and makes you feel that you are really there.

Intuitive User interface and universal Remote control

The Philips logical user interface allows you to easily navigate through your content and settings, so you can quickly find what you are looking for. With the included universal remote control, you can control multiple other audio/video devices, so you don't have to continuously switch remote controls.

Easy and simple connection to your HDTV via HDMI

Connect your BDP9000 to your HDTV with one single HDMI (High Definition Multimedia Interface) cable. The high definition video output signal will be transferred to your HDTV without conversion to analog signals, so you will get an excellent picture and sound quality, completely free from noise. Thanks to other multiple outputs, you can also easily connect to your home theater system or amplifier.

Important safety instructions

1 Read these instructions.
2 Keep these instructions.
3 Heed all warnings and cautions.
4 Follow all instructions.
5 Do not use this apparatus near water.
6 Clean only with dry cloth.
7 Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8 Do not install near any heat sources such as radiators, heat registers, or other apparatus (including amplifiers) that produce heat.
9 Do not defeat the safety purpose of the polarized plug. A polarized plug has two blades with one wider than the other. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10 Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11 Only use attachments/accessories specified by the manufacturer.
12 Unplug this apparatus during lightning storms or when unused for long periods of time.
13 Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
14 Apparatus shall not be exposed to dripping or splashing.
15 Do not place any sources of danger on the apparatus (e.g. liquid filled objects, light candles).

Warnings and cautions

Warnings and cautions tell you that parts of procedures can be dangerous and/or cause damage. A warning means that injury or death is possible if the instructions are not obeyed. A caution means that damage to the equipment is possible.

Product handling

WARNING
- TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE THE COVER (OR THE BACK). NO USER-SERVICABLE PARTS ARE INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.
- THIS UNIT EMPLOYS A LASER. DUE TO POSSIBLE EYE INJURY, ONLY A QUALIFIED SERVICE PERSON SHOULD REMOVE THE COVER OR ATTEMPT TO SERVICE THIS DEVICE.
- TO PREVENT DAMAGE WHICH MAY RESULT IN FIRE OR ELECTRIC SHOCK HAZARD, DO NOT EXPOSE THIS APPLICANCE TO RAIN OR MOISTURE.
- TO PREVENT THE SPREAD OF FIRE, KEEP CANDLES OR OTHER OPEN FLAMES AWAY FROM THIS PRODUCT AT ALL TIMES
- BEFORE YOU CONNECT THE PRODUCT TO A POWER SUPPLY, MAKE SURE THAT THE VOLTAGE ON THE TYPE PLATE OF THE PRODUCT IS THE SAME AS THE VOLTAGE OF THE POWER SUPPLY. WHEN THE VOLTAGES ARE NOT THE SAME, REFER TO YOUR DEALER
- TO REDUCE THE RISK OF ELECTRIC SHOCK, MAKE SURE THAT THE PRODUCT AND THE OTHER COMPONENTS ARE TURNED OFF BEFORE YOU CONNECT OTHER COMPONENTS TO THE PRODUCT.
- DO NOT PUT YOUR HAND IN THE DISC TRAY. IF YOU DO, YOU CAN GET STUCK IN THE DISC TRAY.

CAUTION
- ONLY LOAD DISCS WITH REGULAR SHAPES INTO THE PRODUCT. DISCS WITH IRREGULAR SHAPES CAN DAMAGE THE PRODUCT.
- DO NOT BLOCK THE VENTILATION OPENINGS. MAKE SURE THAT THERE IS ALWAYS AT LEAST 4 INCHES (10 CENTIMETERS) OF FREE SPACE BETWEEN THE REAR PANEL OF THE PRODUCT AND ANY OTHER OBJECT.
- ONLY LOAD PLAYABLE DISCS INTO THE PRODUCT. DISCS THAT CANNOT BE PLAYED OR OTHER OBJECTS CAN DAMAGE THE PRODUCT.
- DO NOT MOVE THE PRODUCT WHILE A DISC IS BEING PLAYED. IF YOU DO, YOU CAN DAMAGE THE PRODUCT AND THE DISC.

North-American regulations

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Need help?

Troubleshooting

Refer to page 34.

Online help

Refer to www.usasupport.philips.com for:
- Interactive help
- Frequently asked questions

Helpline

Language	Telephone number
English	1-888-PHILIPS (1-888-744-5477)
French	1-800-661-6162
Spanish	1-888-PHILIPS (1-888-744-5477)

Be prepared to give this information:
- A description of the problem and when it occurs
- The type number on the label of the product
- The date of purchase

Blu-ray Disc player
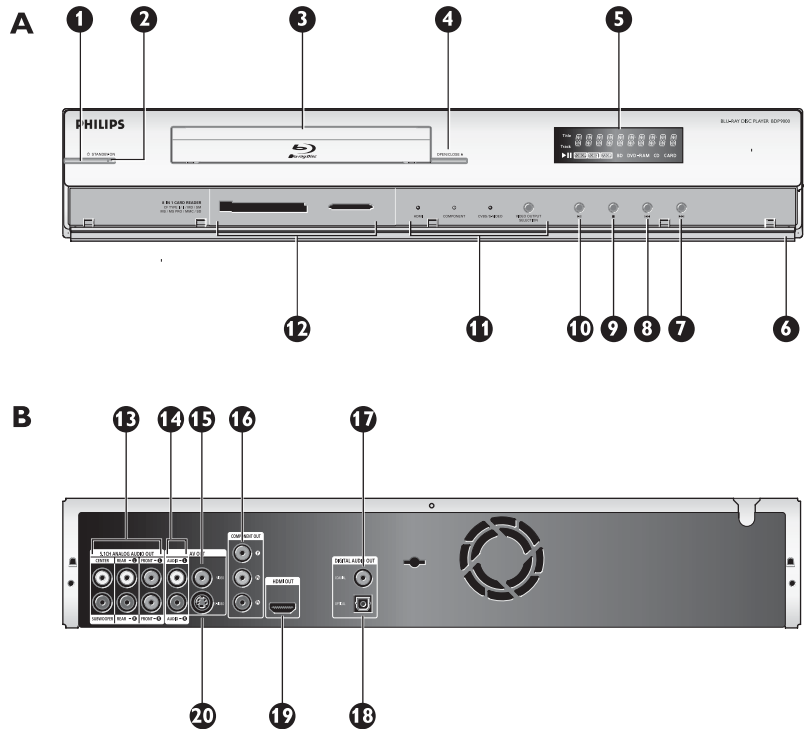
1 **Standby/on button**

  Turns the product on and off

2 **Standby/on light**

  Shows the on/off status of the product.
  - Off - Not connected to a power supply
  - Red - Stand-by mode
  - Blue - On

3 **Disc tray**

4 **Open/close button**

  Opens and closes the disc tray.

5 **Front display**

  Shows information about the product and the disc.

6 **Cover buttons**

  Opens the user access panel.

7 **Next/Forward button**
  - Videos, music, pictures - Next (short press)
  - Videos - Forward (long press)

8 **Previous/Rewind button**
  - Videos, music, pictures - Previous (short press)
  - Videos - Rewind (long press)

9 **Stop button**

10 **Play/pause button**

11 **Video output button & video output lights**

  Selects the video output. The video output lights show the selected video output.

12 **Memory card readers**

13 **5.1 Analog audio ports**

  Connects the audio output to an amplifier

14 Stereo analog audio ports

Connects the audio output to an amplifier

15 Composite video port (CVBS)

16 Component video ports (YPbPr)

17 Digital audio port - coaxial

Connects the audio output to an amplifier

18 Digital audio port - optical

Connects the audio output to an amplifier

19 HDMI port

Connects the video and audio signals to a TV or amplifier. Recommended for HDTV.

20 S-Video port

Display
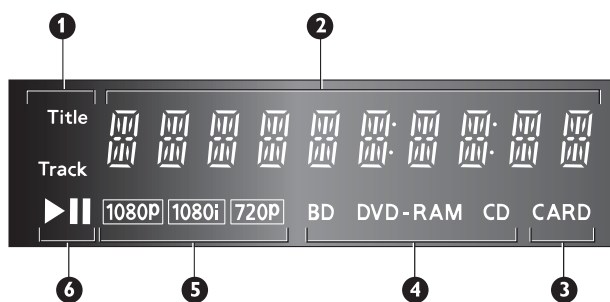
1 Title/Track indicator

2 Status indicator

Shows the information about playing time, clock and status.

3 Memory card indicator

4 Disc type indicator

5 Video output resolution indicator

6 Play mode indicator

Universal remote control

Refer to the RC4380 User Manual.

Connect to the TV

This product is designed for high-definition televisions (HDTV).

Need help?
Refer to the documentation that came with your TV for information about:
• The devices that you can connect to your TV.
• The type of cables that you can connect to your TV.

Option 1 - Best quality (HDMI)

1 Take the supplied HDMI cable.
2 Plug one end of the HDMI cable into the **HDMI OUT** port.
3 Plug the other end of the HDMI cable into the HD compliant TV.

This type of connection requires no audio connection.
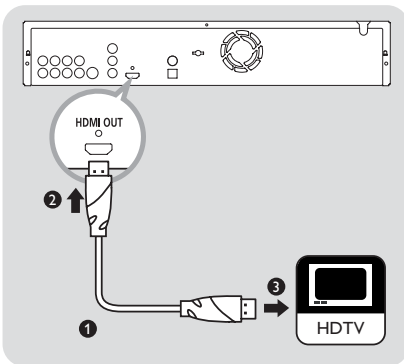
Option 2 - Best quality (HDMI to DVI)

1 Take a HDMI-DVI cable (not supplied).
2 Plug one end of the HDMI-DVI cable into the **HDMI OUT** port.
3 Plug the other end of the HDMI-DVI cable into the HD compliant TV.
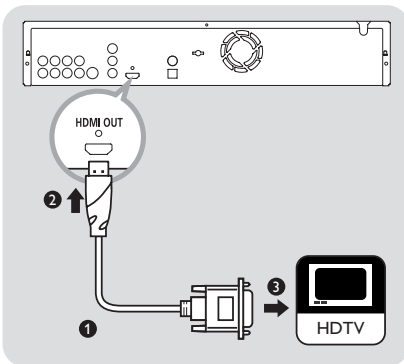
4 Take the supplied audio cable.
5 Plug one end of the audio cable into the **AUDIO-L** and **AUDIO-R** ports.
6 Plug the other end of the audio cable into the TV.
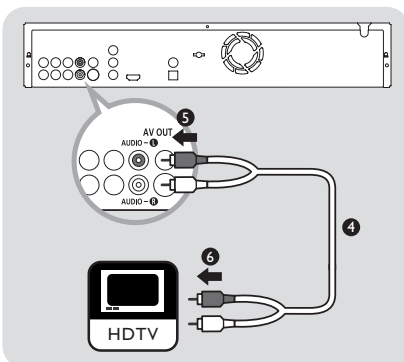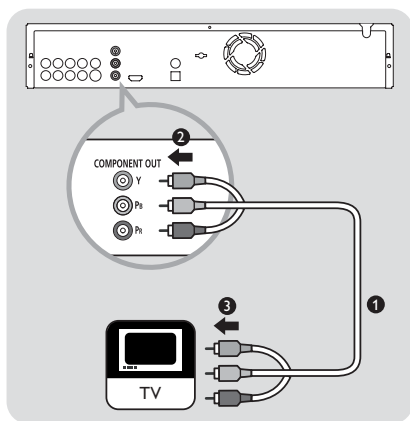
Option 3 - Good quality (Component video)

1 Take the supplied component video cable.
2 Plug one end of the component video cable into the **Y**, **Pb** and **Pr** ports.
3 Plug the other end of the component video cable into the TV.
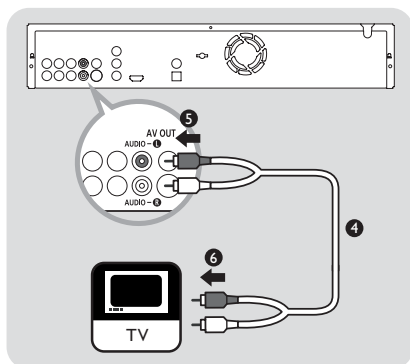
4 Take the supplied audio cable.
5 Plug one end of the audio cable into the **AUDIO-L** and **AUDIO-R** ports.
6 Plug the other end of the audio cable into the TV.

When a BD with Image Constraint Token or Digital Only Token is played, the output is disabled.
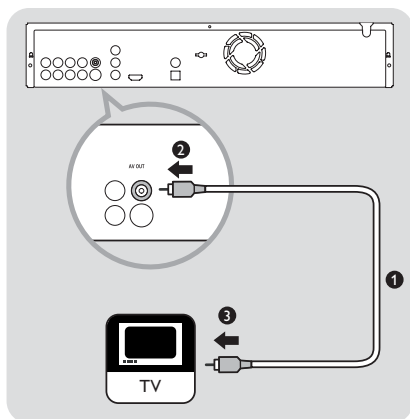
Option 4 - Standard quality (Composite video)

1 Take a composite video cable (not supplied).
2 Plug one end of the composite video cable into the **VIDEO** port.
3 Plug the other end of the composite video cable into the TV.
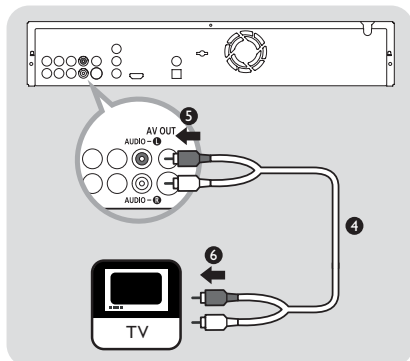
4 Take the supplied audio cable.
5 Plug one end of the audio cable into the **AUDIO-L** and **AUDIO-R** ports.
6 Plug the other end of the audio cable into the TV.

When a BD is played, the output is disabled.

Option 5 - Standard quality (S-Video)

1 Take an S-Video cable (not supplied).
2 Plug one end of the S-Video cable into the **S-VIDEO** port.
3 Plug the other end of the S-Video cable into the TV.
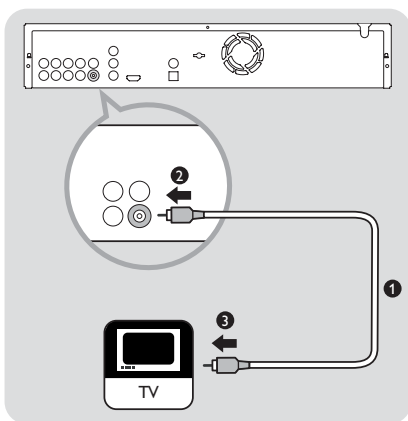
4 Take the supplied audio cable.
5 Plug one end of the audio cable into the **AUDIO-L** and **AUDIO-R** ports.
6 Plug the other end of the audio cable into the TV.
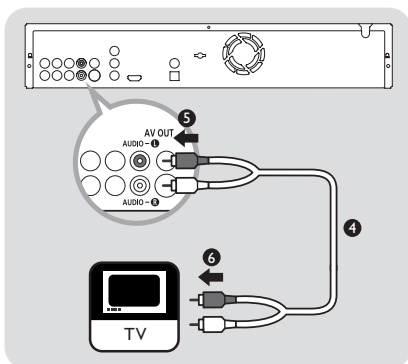
When a BD is played, the output is disabled.

Connect to the audio system (optional)

Need help?
Refer to the documentation that came with your audio system for information about:
• The devices that you can connect to your audio system.
• The type of cables that you can connect to your audio system.

Option 1 - Best quality (HDMI)

1 If you connected the TV to the **HDMI** port, unplug the HDMI cable on the TV.
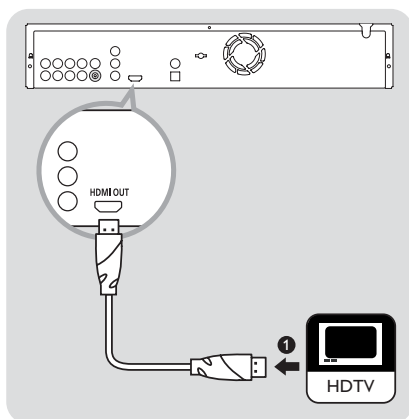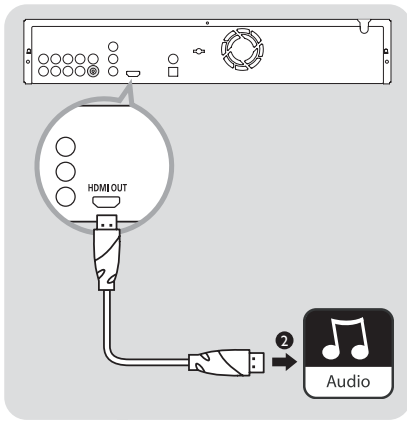
2 Plug the end of the HDMI cable into the HDMI input of the audio system.
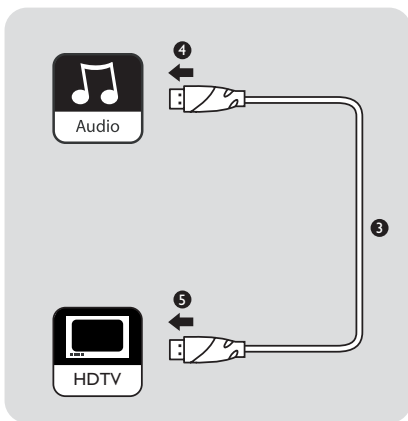
3 Take another HDMI cable (not supplied).
4 Plug one end of the HDMI cable into the HDMI output of the audio system.
5 Plug the other end of the HDMI cable into the TV.
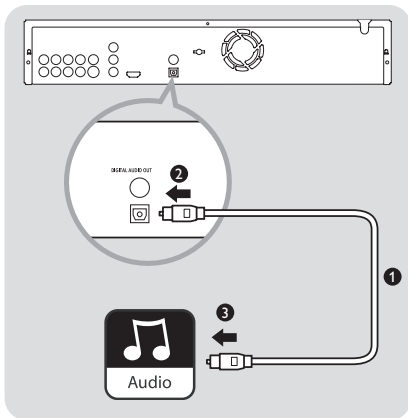
Option 2 - Good quality (digital audio, optical connection)
1 Take an optical audio cable (not supplied).
2 Plug one end of the optical audio cable into the **OPTICAL** port.
3 Plug the other end of the optical audio cable into the audio system.
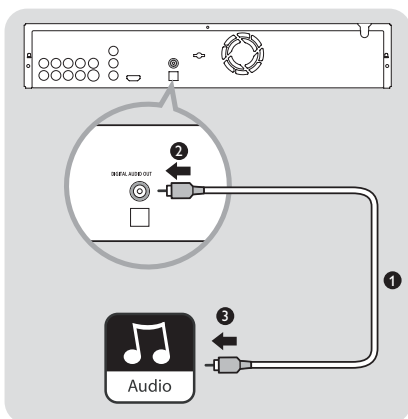
Option 3 - Good quality (digital audio, coaxial connection)
1 Take a coaxial audio cable (not supplied).
2 Plug one end of the coaxial audio cable into the **COAXIAL** port.
3 Plug the other end of the coaxial audio cable into the audio system.

Option 4 - Standard quality (5:1 analog audio)

1 If you connected the TV to the **COMPONENT OUT**, **VIDEO** or **S-VIDEO** ports or used a HDMI-DVI cable, remove the audio cable between the Blu-ray Disc player and the TV.
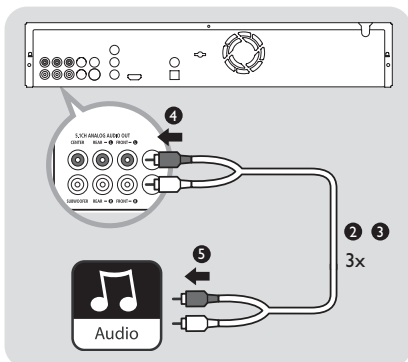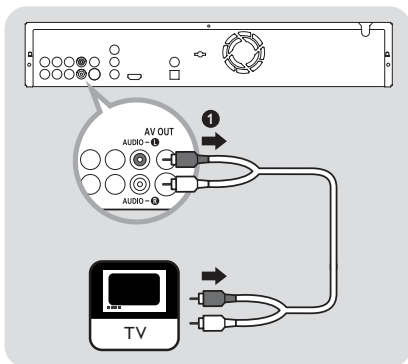
2 Take the supplied audio cable.
3 Take another two audio cables (not supplied).
4 Plug the three audio cables into the **5.1CH ANALOG AUDIO OUT** ports.
5 Plug the other ends of the three audio cables into the audio system.

Option 5 - Standard quality (stereo analog audio)

1 If you connected the TV to the **COMPONENT OUT**, **VIDEO** or **S-VIDEO** ports or used a HDMI-DVI cable, unplug the audio cable on the TV.
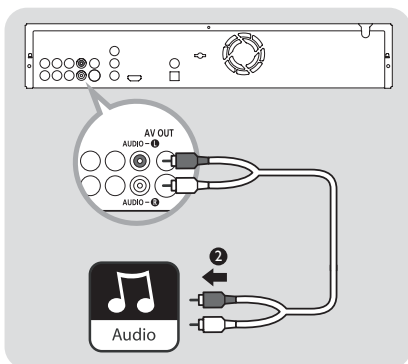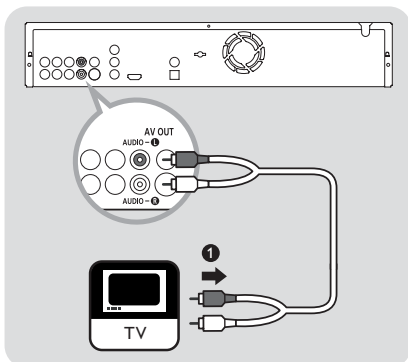
2 Plug the ends of the audio cable into the audio system.
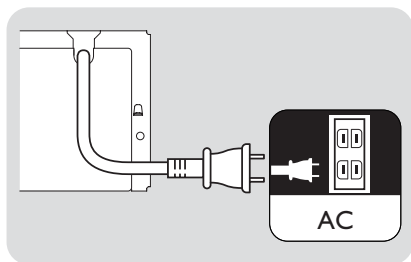
Connect to the power outlet

1 Plug the power cable into the power outlet.
> *The standby/on light on the front of the product comes on as red.*

AC

Set up
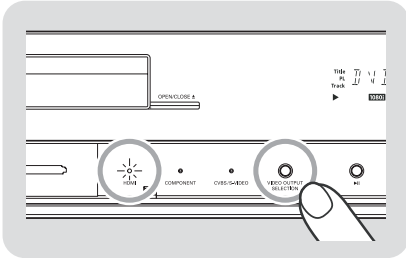
Set the TV connection

1 Turn the TV on.
2 Set the TV to the correct external input.
3 Press the **STANDBY/ON** button.
> *The **STANDBY/ON** light on the front of the product comes on as blue.*
4 Open the user access panel.
5 Press the video output selection button until the correct light comes on.

TV connection	Light
HDMI	**HDMI**
Component video	**COMPONENT**
Composite video	**CVBS/S-VIDEO**
S-Video	**CVSS/S-VIDEO**

> *The video signal of the Blu-ray Disc player shows.*

6 Follow the on-screen instructions

Menu language selection

Press 1 for English
Pulsar 2 para Español
Touche 3 pour Français

Set the audio connection

1 Turn the audio system on.
2 Set the audio system to the correct external input.

Open the Settings menu

With the **Settings** menu, you can change the set up of the product.
1 Take the supplied universal remote control.
2 Press the **STANDBY/ON** button.
> *The **Home** menu shows.*
3 Select **Settings** and press **OK.**
> *The **Settings** menu shows.*

Blu-ray Disc player

Disc	Video
	Music
	Pictures
Memory card	Music
	Pictures
	Settings
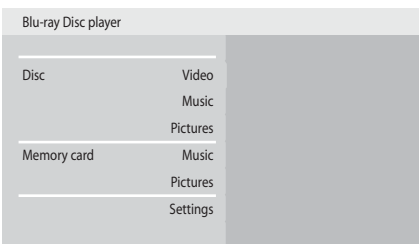
Overview

Language setup	Audio
	Subtitle
	Disc menu
	Player menu
Audio setup	Digital output
	PCM downsampling
	Dynamic compression
	Speaker setup
Display setup	TV shape
	Black level
	Resolution
	HDMI format
	Screen message
	Front display
Parental control	Use PIN
	Rating level
	New PIN

Navigation

Action	Button	
Go up or down in a list	▲	▼
Move a cell in the list	◀	▶
Confirm a selection	OK	

Configure the languages

Open the language menu
1 Open the **Settings** menu.
2 Select **Language setup** and press **OK**.
   > *The **Language setup** menu shows.*

Settings	
Language setup	Audio
Audio setup	Subtitle
Display setup	Disc menu
Parental control	Player menu
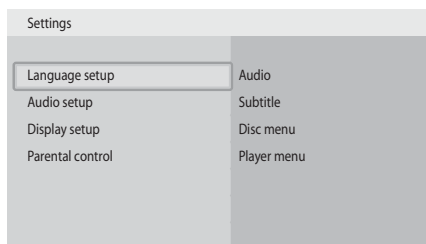
Change the preferred audio language
1 Open the **Language setup** menu.
2 Select **Audio** and press **OK**.
   > *The available languages show.*
3 Choose the preferred language and press **OK**.
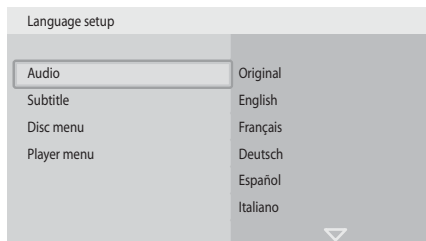
When the preferred language is not available, the default language is used. The default language is English.

Language setup	
Audio	Original
Subtitle	English
Disc menu	Français
Player menu	Deutsch
	Español
	Italiano
	▽
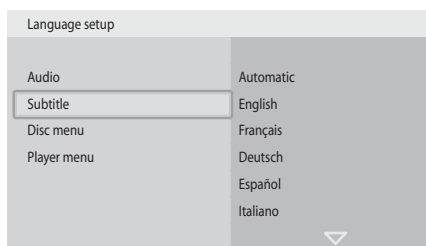
Change the preferred subtitle language

Language setup	
Audio	Automatic
Subtitle	English
Disc menu	Français
Player menu	Deutsch
	Español
	Italiano
	▽

1 Open the **Language setup** menu.
2 Select **Subtitle** and press **OK**.
  > *The available languages show.*
3 Choose the preferred language and press **OK**.

When the preferred language is not available, the default language is used. The default language is English.
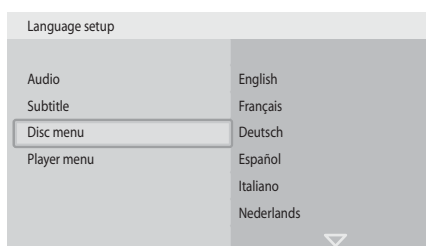
Change the preferred disc menu language

Language setup	
Audio	English
Subtitle	Français
Disc menu	Deutsch
Player menu	Español
	Italiano
	Nederlands
	▽

1 Open the **Language setup** menu.
2 Select **Disc menu** and press **OK**.
  > *The available languages show.*
3 Choose the preferred language and press **OK**.

When the preferred language is not available, the default language is used. The default language is English.
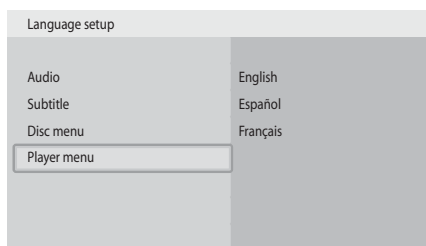
Change the player language

Language setup	
Audio	English
Subtitle	Español
Disc menu	Français
Player menu	

1 Open the **Language setup** menu.
2 Select **Player menu** and press **OK**.
  > *The available languages show.*
3 Choose the preferred language and press **OK**.

Configure the audio output

Open the audio menu

Settings	
Language setup	Digital output
Audio setup	PCM downsampling
Display setup	Dynamic compression
Parental control	Speaker setup

1 Open the **Settings** menu.
2 Select **Audio setup** and press **OK**.
  > *The **Audio setup** menu shows.*
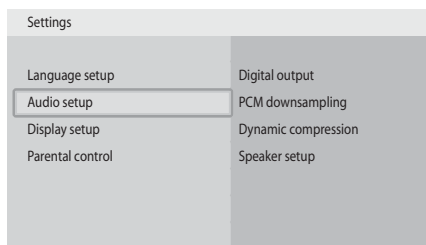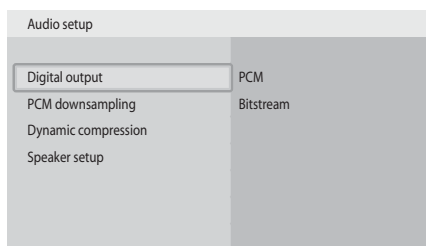
Change the format of the digital audio signal

1 Open the **Audio setup** menu.
2 Select **Digital output** and press **OK**.
> *The available options show.*
3 Choose the preferred option and press **OK**. Refer to 'Audio output' on page 36.

Audio setup

Digital output	PCM
PCM downsampling	Bitstream
Dynamic compression	
Speaker setup	

Option	Description
PCM	The format of the digital audio signal is PCM.
Bitstream	The format of the digital audio signal is bitstream.
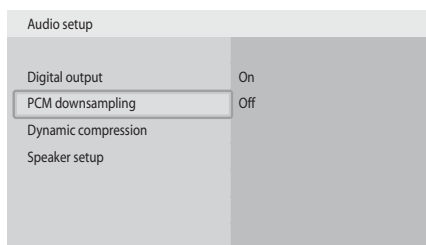
Enable PCM downsampling

1 Open the **Audio setup** menu.
2 Select **PCM downsampling** and press **OK**.
> *The available options show.*
3 Choose the preferred option and press **OK**.

Audio setup

Digital output	On
PCM downsampling	Off
Dynamic compression	
Speaker setup	

Option	Description
On	If the format of the digital audio signal is 96 kHz PCM, the audio is downsampled to 48 kHz.
Off	Regardless of the sampling frequency of the digital audio signal, the audio is never downsampled.
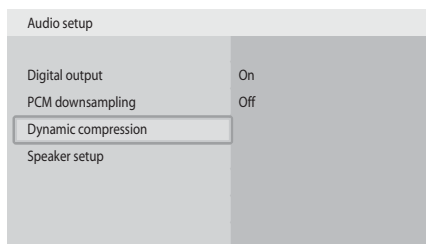
Enable dynamic range compression

1 Open the **Audio setup** menu.
2 Select **Dynamic compression** and press **OK**.
> *The available options show.*
3 Choose the preferred option and press **OK**.

Audio setup

Digital output	On
PCM downsampling	Off
Dynamic compression	
Speaker setup	

Option	Description
On	The dynamic range compression is enabled.
Off	The dynamic range compression is disabled.

Change the set up of your speakers

1 Open the **Audio setup** menu.
2 Select **Speaker setup** and press **OK**.
3 Select the speakers to change and press **OK**.

Audio setup

Digital output	
PCM downsampling	
Dynamic compression	
Speaker setup	

Option	Description
Front	Choose between large or small speakers
Center	Choose between no speaker, a large or a small speaker
Rear	Choose between no speakers, large or small speakers
Subwoofer	Choose between on or off. Available when front speakers are set to large.

4 Change the size of your speakers and press **OK**.

When the front speakers are set to large and the subwoofer is on, the subwoofer is used for the output of bass sounds (below 100 Hz). Set the subwoofer to off for output of the bass sounds through the front speakers

Configure the video output

Open the video menu
1 Open the **Settings** menu.
2 Select **Display setup** and press **OK**.
> *The **Display setup** menu shows.*

Settings

Language setup	TV shape
Audio setup	Black level
Display setup	Resolution
Parental control	HDMI format
	Screen message
	Front display
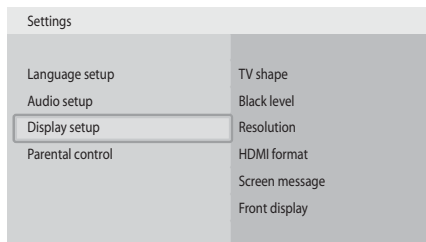
Change the aspect ratio
1 Open the **Display setup** menu.
2 Select **TV shape** and press **OK**.
> *The available options show.*

Display setup

TV shape	4:3 Letterbox
Black level	4:3 Panscan
Resolution	16:9 Widescreen
HDMI format	
Screen message	
Front display	
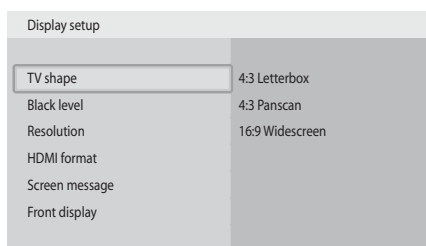
3 Choose the preferred option and press **OK**.
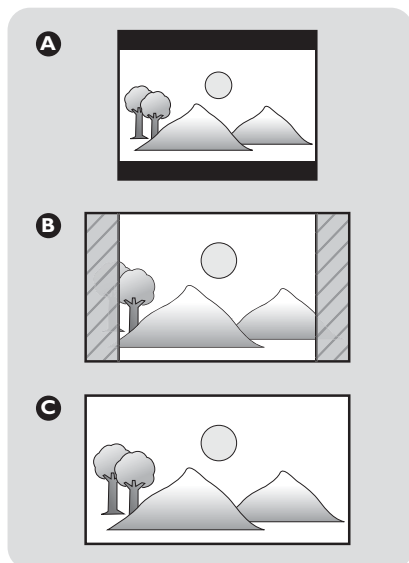
Option	Description
4:3 Letterbox	The TV shape is 4:3. The top and bottom parts of widescreen images show black bars. Refer to A.
4:3 Panscan	The TV shape is 4:3. The left and right parts of widescreen images do not show. Refer to B.
16:9 Widescreen	The TV shape is 16:9 (widescreen). Refer to C.

Change the black level

Only applicable when the connection to the TV is composite video or S-Video.
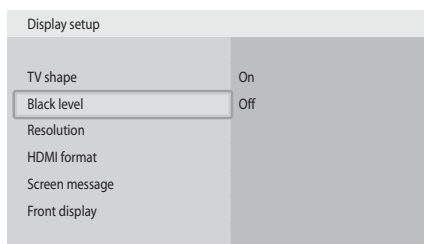
1 Open the **Display setup** menu.
2 Select **Black level** and press **OK**.
  > *The available options show.*
3 Choose the preferred option and press **OK**.

Display setup

TV shape	On
Black level	Off
Resolution	
HDMI format	
Screen message	
Front display	

Option	Description
On	Increases the darkness of black sections in the picture.
Off	Decreases the darkness of black sections in the picture.

Change the resolution
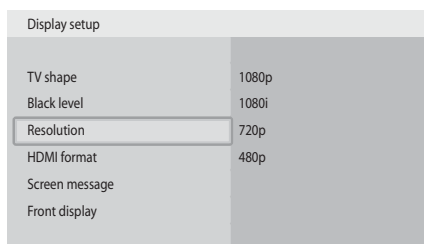
1 Open the **Display setup** menu.
2 Select **Resolution** and press **OK**.
  > *The available options show.*
3 Choose the preferred option and press **OK**.

Display setup

TV shape	1080p
Black level	1080i
Resolution	720p
HDMI format	480p
Screen message	
Front display	

HDMI connection

Disc type	Supported resolutions
BD (without token)	720p, 1080i, 1080p
BD, Image Constraint Token (ICT)	720p, 1080i, 1080p
BD, Digital Only Token (DOT)	720p, 1080i, 1080p
DVD	480p, 720p, 1080i, 1080p

Component video connection

Disc type	Supported resolutions
BD (without token)	720p, 1080i
BD, Image Constraint Token (ICT)	Not supported
BD, Digital Only Token (DOT)	Not supported
DVD	480i, 480p

Composite video/S-Video connection

Disc type	Supported resolutions
BD (without token)	Not supported
BD, Image Constraint Token (ICT)	Not supported
BD, Digital Only Token (DOT)	Not supported
DVD	480i

When a resolution is selected that is not supported by the TV, the product must be reset. Press-and-hold the ▶▶|-button on the front panel for 5 seconds to restore the factory settings (with no disc in the disc tray).
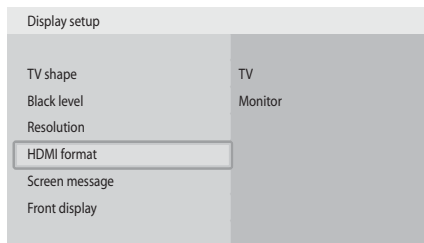
Change the HDMI format

1 Open the **Display setup** menu.
2 Select **HDMI format** and press **OK**.
   > *The available options show.*
3 Choose the preferred option and press **OK**.

Option	Description
TV	The format of the HDMI signal is TV. Use this if you connected the HDMI port to a TV.
Monitor	The format of the HDMI signal is monitor. Use this if you connected the HDMI port to a monitor.
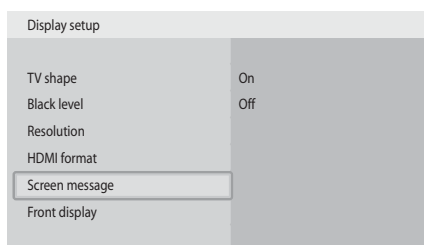
Enable screen messages

1 Open the **Display setup** menu.
2 Select **Screen message** and press **OK**.
   > *The available options show.*
3 Choose the preferred option and press **OK**.

Option	Description
On	The screen messages are enabled.
Off	The screen messages are disabled.
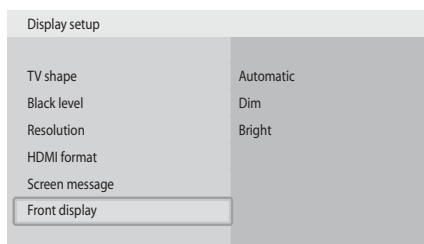
Configure the front display

1 Open the **Display setup** menu.
2 Select **Front display** and press **OK**.
   > *The available options show.*
3 Choose the preferred option and press **OK**.

Option	Description
Automatic	Low brightness of the front display during playback.
Dim	Low brightness of the front display.
Bright	High brightness of the front display.

Change the parental control

Open the parental control menu

1 Open the **Settings** menu.
2 Select **Parental control** and press **OK**.
3 Enter your PIN.

The default PIN is 0000.

4 Follow the on-screen instructions.
   > *The **Parental control** menu shows.*

Parental control

Use PIN	On
Rating level	Off
New PIN	
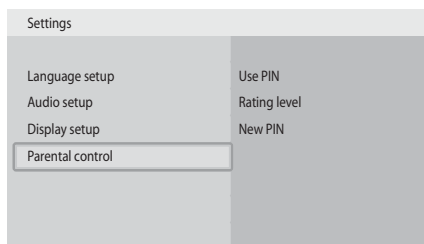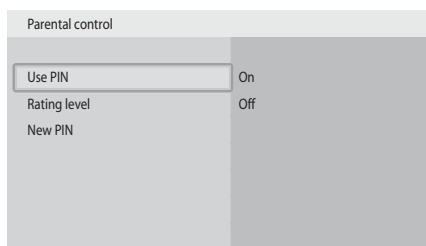
Enable the PIN

1 Open the **Parental control** menu.
2 Select **Use PIN** and press **OK**.
> *The available options show.*
3 Choose the preferred option and press **OK**.

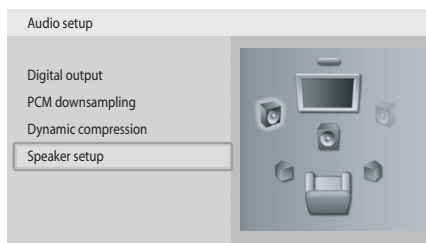| Option	Description
On	The PIN is enabled.
Off	The PIN is disabled.

Parental control

Use PIN	8 (Adults)
Rating level	7
New PIN	6
	5
	4
	3
	▽
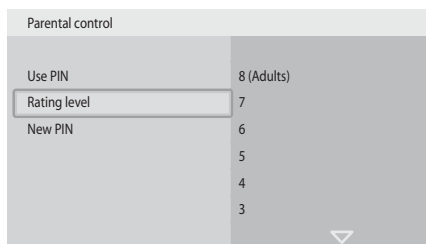
Change the rating level

1 Open the **Parental control** menu.
2 Select **Rating level** and press **OK**.
> *The available options show.*
3 Choose the preferred option and press **OK**.

For example, when you set the rating level to 6, discs with rating levels 7 and 8 cannot be played.

Parental control

Use PIN	Enter new PIN
Rating level	▢▢▢▢
New PIN	
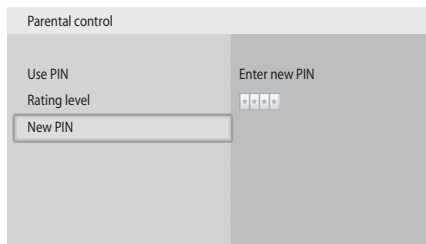
Change the PIN

1 Open the **Parental control** menu.
2 Select **New PIN** and press **OK**.
3 Follow the on-screen instructions.

Enjoy

Turn the product on

1 Set the TV to the correct external input.

2 On the front of the product, press the **STANDBY/ON** button.
> *The **STANDBY/ON** light comes on as blue.*
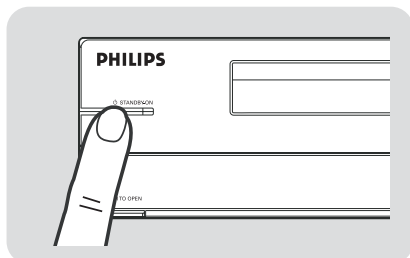
Load a disc

Before you load a disc into the Blu-ray Disc player, make sure that the disc type is supported. Refer to 'Playable discs' on page 37.

1 Turn the product on.

2 Press the **OPEN/CLOSE** button.
> *The disc tray opens.*
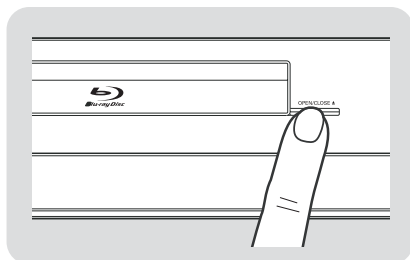
3 Place the disc in the disc tray.

4 Press the **OPEN/CLOSE** button again.
> *The disc tray closes.*
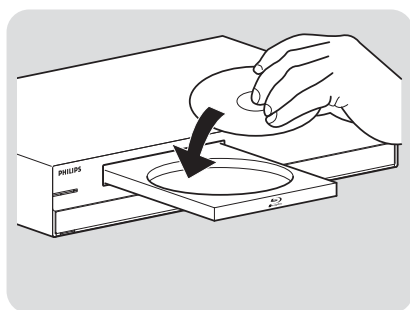
Videos

Play a title

1 Turn the product on.

2 Load the video disc.

> *The **Home** menu shows.*

Blu-ray Disc player

Disc	Video
	Music
	Pictures
Memory card	Music
	Pictures
	Settings

> Discs that contain a disc menu show the disc menu. If the disc contains a disc menu, the rest of the procedure is not applicable. Refer to the documentation that came with the disc for instructions that tell you how to operate the disc menu.

3 From the home menu, select **Video**.

> *The **Title** list shows.*

4 Use the universal remote control to go to the title.

Action	Button
Previous title	▲
Next title	▼

5 Press the **OK** button.

Control titles

1 Play the title.

2 Use the universal remote control to control the title.

Action	Button
Play the title	⏯
Pause the title	⏯
Stop the title	⏹
Restart the title	⏯
Jump to the previous title/chapter	⏮
Jump to the next title/chapter	⏭
Repeat the title/chapter	**REPEAT**
Repeat a defined selection	**REPEAT A-B**
Bookmark a point on the disc	**BOOKMARK**

Jump to the next or previous title

> **Tip** You can use the universal remote control to jump to the next or previous title. Refer to 'Control titles' on page 28 for instructions.

1 Play the title.

2 Press the **INFO** button.

> *The **Info** menu shows.*

3 Select **Title**.

4 Select the preferred option and press **OK**.

Option	Button
Previous title	◀
Next title	▶
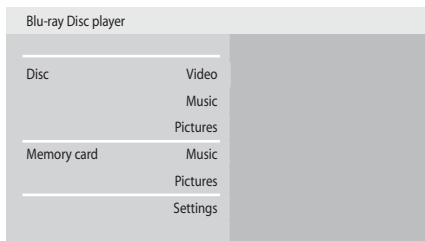
Jump to the next or previous chapter

Tip You can use the universal remote control to jump to the next or previous chapter. Refer to 'Control titles' on page 28 for instructions.

1 Play the title.
2 Press the **INFO** button.
   > *The **Info** menu shows.*
3 Select **Chapter**.
4 Select the preferred option and press **OK**.

Option	Button
Previous chapter	◀
Next chapter	▶

Jump to a point of time

1 Play the title.
2 Press the **INFO** button.
   > *The **Info** menu shows.*
3 Select **Playing time**.
4 With the number keys, enter the point of time.
5 Press **OK**.

Search through a chapter

When you search through a chapter, the audio is muted.

1 Play the title.
2 Go to the chapter.
3 Set the speed.

Option	Button
Search forwards	(▶▶)
Search backwards	(◀◀)

Search for a scene

This feature is not applicable to all video discs.

1 Play a title.
2 Press the **SCENE SEARCH** button.
   > *The **Scene search** menu shows.*
3 Select the type of scene search.
4 Press **OK**.
5 Select the category of the search.
6 Press **OK**.
7 Select the scene from the selection.
8 Press **OK**.

Option	Button
Previous scene in the category	◀
Next scene in the category	▶

Play a title frame by frame

- When you play a title frame by frame, the audio is muted.
- For BD, only jump to the next frame is possible.

1 Pause the title.
2 Jump to the frame.

Option	Button
Jump to the next frame	▷
Jump to the previous frame	◁

Play a title in slow motion

- When you play a title in slow motion, the audio is muted.
- For BD, only jump slow forward is possible.

1 Pause the title.
2 Set the speed.

Option	Button
Slow forward	▶▶
Slow backward	◀◀

Change the audio language
1 Play the title.
2 Press the **AUDIO** button.
   > *The on-screen display shows.*
3 Select the audio language.
4 Press **OK**.

Action	Button
Up	▲
Down	▼

Change the camera angle

This feature is not applicable to all video discs.

1 Play a title.
2 Press the **TITLE/POPUP MENU** button.
   > *The disc menu shows.*
3 Control the disc menu with the universal remote control.

Change the subtitle language

1 Play the title.
2 Press the **SUBTITLE** button.
   > *The on-screen display shows.*
3 Select the subtitle language.
4 Press **OK**.

Action	Button
Up	▲
Down	▼

Music

Play a track

1 Turn the product on.
2 Load the audio disc or insert the memory card. To insert a memory card, refer to page 33.
   > *The home menu shows.*
3 From the home menu, select **Music**.
   > *The **Music** list shows.*
4 Use the universal remote control to go to the track.

Blu-ray Disc player	
Disc	Video
	Music
	Pictures
Memory card	Music
	Pictures
	Settings
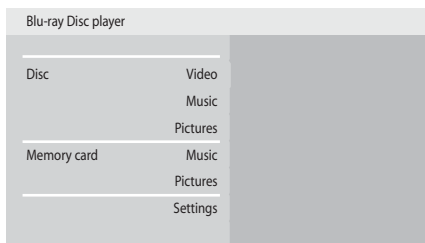
Action	Button
Next track	▲
Previous track	▼

5 Press the **OK** button.

Control tracks

1 Play the track.
2 Use the universal remote control to control the track.

Action	Button
Play the track	⏯
Pause the track	⏯
Stop the track	⏹
Restart the track	⏯
Play the previous track	⏮
Play the next track	⏭
Repeat the track	**REPEAT** (1x)
Repeat the audio disc	**REPEAT** (2x)
Play the tracks in random order	**REPEAT** (3x)

Pictures

View a picture
1 Turn the product on.
2 Load the disc or insert the memory card. To insert a memory card, refer to page 33.
  > *The home menu shows.*
3 From the home menu, select **Picture**.
  > *The **Picture** list shows.*
4 Use the universal remote control to go to the picture.
5 Press the **OK** button.

Blu-ray Disc player	
Disc	Video
	Music
	Pictures
Memory card	Music
	Pictures
	Settings
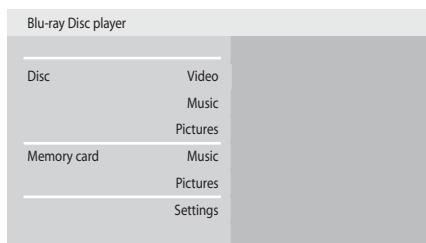
Start a slideshow
1 View the first picture of the slideshow.
2 Press the **INFO** button.
  > *The **Info** menu shows.*
3 Select **Slideshow**.
  > *The available options show.*
4 Choose the preferred speed and press **OK**.

Rotate a picture

> **Tip** You can use up-down arrow keys of the universal remote control to rotate a picture. The function is not available in a slideshow.

1 View the picture or stop the slide show.
2 Press the **INFO** button.
  > *The **Info** menu shows.*
3 Select **Rotate**.
  > *The available options show.*
4 Choose the preferred option and press **OK**.

Option	Description	
Rotate	▲	▼

Zoom in and out on a picture
1 View the photo or stop the slide show.
2 Press the **INFO** button.
  > *The **Info** menu shows.*
3 Select **Zoom**.
  > *The available options show.*
4 Choose the preferred option and press **OK**.

Option	Description			
On	Zoom in			
Off	Normal size (100%)			
Scroll	▲	▼	◀	▶

Memory cards

Insert memory cards

CAUTION DO NOT INSERT AN MS DUO, RS-MMC OR MINI SD INTO THE MEMORY CARD READER WITHOUT AN ADAPTER. IF YOU DO, YOU CAN DAMAGE THE BLU-RAY DISC PLAYER AND THE MEMORY CARD.

Before you insert a memory card into the Blu-ray Disc player, make sure that the memory card is supported. Refer to 'Playable memory cards' on page 38.

1 Turn the product on.
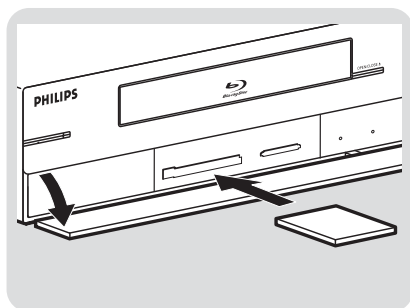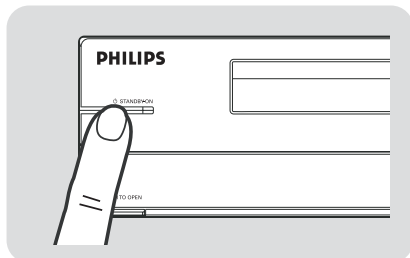
2 Open the user access panel.
3 Insert the memory card into the correct slot.

Left slot	Right slot
CF Type I	MS
MD	MS PRO
	MS Duo (only with adapter)
	MMC
	RS-MMC (only with adapter)
	SD
	Mini SD (only with adapter)

Music

Refer to 'Music' on page 31.

Pictures

Refer to 'Pictures' on page 32.

Set to stand-by

1 On the front of the product, press the **STANDBY/ON** button.
> *The **STANDBY/ON** light on the front of your product comes on as red.*

When the product is switched to stand-by, it still uses some power. To turn the product off, remove the power cord from the power outlet.

Troubleshooting

Online help

Refer to www.usasupport.philips.com for:
- Interactive help
- Frequently asked questions

Helpline

Language	Telephone number
English	1-888-PHILIPS (1-888-744-5477)
French	1-800-661-6162
Spanish	1-888-PHILIPS (1-888-744-5477)

Be prepared to give this information:
- A description of the problem and when it occurs
- The type number on the label of the product
- The date of purchase

Problems and tips

Problem	Tip
No reaction to the supplied universal remote control.	Connect the product to the power outlet.
	Point the remote control at the product.
	Insert the batteries correctly.
	Insert new batteries in the universal remote control.
No video signal on the TV.	Turn the TV on.
	Set the TV to the correct external input.
	Select the correct video output with the **VIDEO OUTPUT SELECTION** button on the front panel.
	Change the resolution of the output to the TV.
	Press-and-hold the ▶▶|-button on the front panel for 5 seconds to restore the factory settings (with no disc in the disc tray).
No high-definition video signal on the TV via component video.	Does the disc contain high-definition video? High-definition video is not available when the disc does not contain it.
	Does the TV support high-definition video? High-definition video is not available when the TV does not support it.
No audio signal from the loudspeakers of the TV.	Assign the audio input of the TV to the corresponding video input.
No audio signal from the loudspeakers of the audio system.	Turn the audio system on.
	Set the audio system to the correct external input.
	Increase the volume level of the audio system.

Problem	Tip
No 5.1-channel audio from the loudspeakers of the audio system	Does the disc or memory card contain 5.1-channel audio? The 5.1-channel audio is not available when the disc or memory card does not contain it.
	Does the audio system support 5.1-channel audio? The 5.1-channel audio is not available when the audio system does not contain it.
	In the **SETTINGS** menu, set **Digital out** to **PCM**.
Cannot play a disc.	Make sure that the product supports the disc.
	Make sure that the Blu-ray Disc player supports the region code of the DVD or BD. (BD: A; DVD: All or 1)
	For DVD+R discs, make sure that the disc is finalized.
	Clean the disc.
Cannot play JPEG files from a disc.	Make sure that the disc was recorded in the UDF, ISO9660 or JOLIET format.
Cannot play MP3 files from a disc or a memory card.	Make sure that the disc was recorded in the UDF, ISO9660 or JOLIET format.
	Make sure that the bit rate of the MP3 files is between 56 and 320 kbps.
	Make sure that the sample rate of the MP3 files is 32 kHz, 44.1 kHz or 48 kHz.
Cannot play a memory card.	Make sure the memory card is supported by the product.
Red cross in the upper right hand corner of the screen.	The operation is not possible.
Cannot find a JPEG file.	Make sure that the selected folder does not contain more than 1500 files. Only the first 1500 files are shown.
	Make sure that the file extension is .jpg, .JPG, .jpeg or .JPEG.
Cannot find an MP3 file.	Make sure that the selected folder does not contain more than 1500 files. Only the first 1500 files are shown.
	Make sure that the file extension is .mp3 or .MP3
The product gives no response to any control.	Press and hold the standby/on button for 5 seconds to set the product to stand-by.

Technical data

Dimensions

Product dimensions (W x D x H)	16.9 x 12.8 x 3.1 in (430 x 325 x 789 mm)
Product weight	9.3 lbs (4.2 kg)

Operating environment

Operating temperature	41 to 104 F (+5 to 40 °C)
Operating humidity	10 to 75 % (non-condensing)

Power

Mains power	AC, 120 V, 60 Hz
Standby/on switch	
Power consumption	51 W (< 10 W stand-by)
Standby/on light	Red/blue

Video output

HDMI	480p, 720p, 1080i, 1080p
Component video	Y: 1.0 Vp-p (75 Ω load), Pb: 0.70 Vp-p (75 Ω load), Pr: 0.70 Vp-p (75 Ω load)
Composite video	1 channel: 1.0 Vp-p (75 Ω load)
S-Video	Luminance: 1.0 Vp-p (75 Ω load), Chrominance: 0.3 Vp-p (75 Ω load)

Audio output

HDMI	PCM multi-channel audio, PCM audio, bitstream audio,
Digital audio output	Optical, coaxial (S/PDIF)
5.1-Channel	Front and rear left, front and rear right, center, subwoofer
2-Channel	Left, right
Frequency response	48 kHz sampling: 4 Hz to 22 kHz, 96 kHz sampling: 4 Hz to 44 kHz
Signal-to-noise ratio	110 dB
Dynamic range	100 dB
Total harmonic distortion	0.004%

When you play a video from a disc, the audio is dependent upon:
- The type of audio connection
- The disc type and the audio on the disc
- The selected digital audio format (only for S/PDIF and HDMI connections)

2-Channel analog

Disc type	Output
BD	2-Channel
DVD with Dolby Digital	2-Channel
DVD with DTS	Mute

5.1-Channel analog

Disc type	Output
BD	5.1-Channel
DVD with Dolby Digital	2-Channel (front left, front right)
DVD with DTS	Mute

S/PDIF

Disc type	Output
BD	PCM: 2-Channel; Bitstream: bitstream from disc
DVD with Dolby Digital	2-Channel (front left, front right); Bitstream: bitstream from disc
DVD with DTS	PCM: Mute; Bitstream: bitstream from disc

HDMI

Disc type	Output
BD	PCM: 2-Channel/5.1-Channel; Bitstream: bitstream from disc
DVD with Dolby Digital	2-Channel (front left, front right); Bitstream: bitstream from disc
DVD with DTS	PCM: Mute; Bitstream: bitstream from disc

Playable discs

Types	BD: BD-ROM, BD-RE; DVD: DVD-VIDEO, DVD+RW (4.7 GB), DVD-RW (4.7 GB), DVD+R (4.7 GB) DVD-R (4.7 GB); CD: AUDIO-CD, CD-RW, CD-R
Region codes	BD: A; DVD: All or 1

PRODUCT IS FULLY COMPATIBLE WITH THE FOLLOWING CURRENT FORMATS:
- BD-ROM / BD-R / BD-RE*
- DVD-Video / DVD-R / DVD-RW
- Audio CD / CD-R / CD-RW

PRODUCT IS COMPATIBLE WITH THE FOLLOWING FORMATS, WITH LIMITED FUNCTIONALITY:
- DVD+R / DVD+RW

PRODUCT WILL NOT PLAY DISCS WITH THE FOLLOWING FORMATS:
- HD-DVD
- Any other

* Due to the intentional progression of the Blu-ray Disc format by its standard setting authority, Philips cannot guarantee or warrant the playability of future extensions of the Blu-ray Disc format with this product.

Playable memory cards

Types	CF Type I, MD, SM, MS PRO, MS Duo (with adapter), MMC, RS-MMC (with adapter), SD, Mini SD (with adapter),

Trademarks and licenses

Dolby Laboratories

Manufactured under license from Dolby Laboratories. "Dolby", "Pro-logic" and the double-D symbol are trademarks of Dolby Laboratories.

DTS

"DTS" and "DTS DIGITAL SURROUND" are registered trademarks of Digital Theater Systems, Inc.

HDMI

HDMI, the HDMI logo and High-Definition-Multimedia Interface are trademarks or registered trademarks of HDMI licensing LLC.

Environmental information

All unnecessary packaging has been omitted. The packaging has been made easy to separate into two materials: cardboard (box, buffer) and polyethylene (bags, protective foam sheet). Your product consists of materials which can be recycled and reused if disassembled by a specialized company. Please observe the local regulations regarding the disposal of packaging materials, exhausted batteries and old equipment.
Dispose of in accordance with local - state and federal regulation. For additional information on recycling contact www.eia.org (Consumer Education Initiative).

Maintenance and service

If the product is defective and needs repair, but the warranty period has expired, you can consult our specialists (refer to page 10).

Philips limited warranty one (1) year

Warranty coverage:

PHILIPS warranty obligation is limited to the terms set forth below.

Who is covered:

Philips warrants the product to the original purchaser or the person receiving the product as a gift against defects in materials and workmanship as based on the date of original purchase ("Warranty Period") from an Authorized Dealer. The original sales receipt showing the product name and the purchase date from an authorized retailer is considered such proof.

What is covered:

The Philips warranty covers new products if a defect arises and a valid claim is received by Philips within the Warranty Period. At its option, Philips will either (1) repair the product at no charge, using new or refurbished replacement parts, or (2) exchange the product with a product that is new or which has been manufactured from new, or serviceable used parts and is at least functionally equivalent or most comparable to the original product in Philips current inventory, or (3) refund the original purchase price of the product.

Philips warrants replacement products or parts provided under this warranty against defects in materials and workmanship from the date of the replacement or repair for ninety (90) days or for the remaining portion of the original product's warranty, whichever provides longer coverage for you. When a product or part is exchanged, any replacement item becomes your property and the replaced item becomes Philips' property. When a refund is given, your product becomes Philips' property.

Note:
• Any product sold and identified as refurbished or renewed carries a ninety (90) day limited warranty.
• Replacement product can only be sent if all warranty requirements are met. Failure to follow all requirements can result in delay.

What is not covered - Exclusions and limitations:

This Limited Warranty applies only to the new products manufactured by or for Philips that can be identified by the trademark, trade name, or logo affixed to it. This Limited Warranty does not apply to any non-Philips hardware product or any software, even if packaged or sold with the product. Non-Philips manufacturers, suppliers, or publishers may provide a separate warranty for their own products packaged with the bundled product.

Philips is not liable for any damage to or loss of any programs, data, or other information stored on any media contained within the product, or any non-Philips product or part not covered by this warranty. Recovery or reinstallation of programs, data or other information is not covered under this Limited Warranty.

This warranty does not apply (a) to damage caused by accident, abuse, misuse, misapplication, or non-Philips product, (b) to damage caused by service performed by anyone other than Philips or Philips Authorized Service Location, (c) to a product or a part that has been modified without the written permission of Philips, or (d) if any Philips serial number has been removed or defaced, or (e) product, accessories or consumables sold "AS IS" without warranty of any kind by including refurbished Philips product sold "AS IS" by some retailers.

This limited warranty does not cover:

• Shipping charges to return defective product to Philips.
• Labor charges for installation or setup of the product, adjustment of customer controls on the product, and installation or repair of antenna systems outside of the product.
• Product repair and/or part replacement because of improper installation, connections to improper voltage supply, abuse, neglect, misuse, accident, unauthorized repair or other cause not within the control of Philips.
• Damage or claims for products not being available for use, or for lost data or lost software.
• Damage occurring to product during shipping.
• A product that requires modification or adaptation to enable it to operate in any country other than the country for which it was designed, manufactured, approved and/or authorized, or repair of products damaged by these modifications.
• A product used for commercial or institutional purposes (including but not limited to rental purposes).
• Product lost in shipment and no signature verification receipt can be provided.
• Failure to operate per Owner's Manual.

If you need information or if you have a problem, please visit the Philips website at www.philips.com/support or contact the Philips Customer Care Centre in your country (you find the phone numbers in this user manual). If there is no Customer Care Centre in your country, please turn to your local Philips dealer or contact Consumer Electronics B.V.

To obtain assistance in the U.S.A., Puerto Rico or U.S. Virgin Islands...
Contact Philips Customer Care Center at:
1-888-PHILIPS (1-888-744-5477)

To obtain assistance in Canada...
1-800-661-6162 (French Speaking)
1-888-PHILIPS (1-888-744-5477) - (English or Spanish Speaking)

REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY FOR THE CONSUMER. PHILIPS SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY.

Some states do not allow the exclusions or limitation of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you.

This warranty gives you specific legal rights. You may have other rights which vary from state/province to state/province.

Philips, P.O. Box 671539, Marietta, GA. 30006-0026

Glossary

Terms and definitions

Term	Definition
BD	Blu-ray Disc.
BD-ROM	BD Read Only Memory. A BD-ROM contains recorded data. For example, high-definition videos.
BD-RE	BD Rewritable. You can record a BD-RE over and over again. For example, you can use a BD-RE to make sequential back-ups.
DVD-VIDEO	DVD Video.
DVD	Digital Versatile Disc.
DVD+/-R	DVD Recordable. You can record a DVD+/-R once and you cannot erase it. For example, you can use it to archive data.
DVD+/-RW	DVD Rewritable. You can record a DVD+/-RW over and over again. For example, you can use a DVD+/-RW to make sequential back-ups.
CD	Compact Disc.
CD-R	CD Recordable. You can record a CD-R once and you cannot erase it. For example, you can use it to archive data.
CD-RW	CD Rewritable. You can record a CD-RW over and over again. For example, you can use a CD-RW to make sequential back-ups.
AUDIO-CD	Audio CD.
HDMI	High Definition Media Interface. It is a direct digital connection that can carry digital high-definition as well as digital multi-channel audio.
kbps	Kilobit per second (1000 bit/s).
JPEG	Data compression standard for digital images.
MP3	Data compression standard for digital audio.
CVBS	Composite video. A type of video signal.
CF	CompactFlash. A memory card with a flash memory.
MD	Microdrive. A type of memory card with a miniature harddisk.
SM	SmartMedia. A type of memory card with a flash memory.
MS	Memory Stick. A type of memory card with a flash memory.
SD	Secure Digital. A type of memory card with a flash memory.
MMC	MultimediaCard. A type of memory card with a flash memory.
RS-MMC	Reduced size MMC.
Chapter	Sections of a video or a music track.

Term	Definition
Title	A complete video on a disc
Track	A music track on a disc.
GB	Gigabyte.

RC4380

www.usasupport.philips.com

For support call:

1-888-744-5477 (English, Español)

1-800-661-6162 (Français)

PHILIPS

Contents

Your product

Universal remote control

The universal remote control can operate in 5 modes. In each mode, you can control another type of device.

Mode	Device
BD	BDP9000 Blu-ray Disc player
TV	TV
AMP	Amplifier
	OR
	Receiver
SAT	Satellite set-top box
	OR
	Cable set-top box
DVD	DVD Recorder
	OR
	DVD Player
	OR
	VCR

Need help?

Troubleshooting

Refer to page 15.

Online help

Refer to www.usasupport.philips.com for:
• Interactive help
• Frequently asked questions

Helpline

Language	Telephone number
English	1-888-PHILIPS (1-888-744-5477)
French	1-800-661-6162
Spanish	1-888-PHILIPS (1-888-744-5477)

Be prepared to give this information:
• A description of the problem and when it occurs
• The type number on the label of the product
• The date of purchase

Universal remote control

Overview of the functions of the buttons in the different modes. It is possible that a function is not available for the device or disc you control.
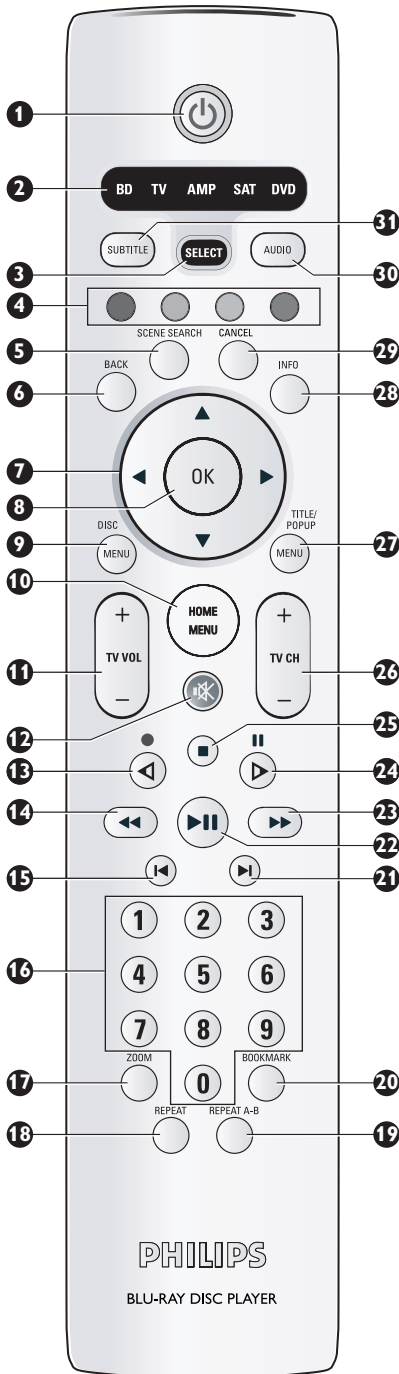
1 Stand-by button

Turns the selected device on and off.

2 Mode lights

Show the selected mode.

- **BD** - Philips BDP9000 Blu-ray Disc player
- **TV** - TV
- **AMP** - Amplifier or receiver
- **SAT** - Cable or satellite set-top box
- **DVD** - DVD player, DVD recorder or VCR

3 Mode selector

- **BD** - Philips BDP9000 Blu-ray Disc player
- **TV** - TV
- **AMP** - Amplifier or receiver
- **SAT** - Cable or satellite set-top box
- **DVD** - DVD player, DVD recorder or VCR

4 Color buttons

The TV shows the functions of the color buttons.

5 Scene search button

- BD - Scene search

6 Back button

- BD, SAT, DVD - Back

7 Up, down, left and right buttons

Move the cursor in the specified direction.

8 OK button

Confirms a choice.

9 Disc menu button

- BD, DVD - Disc menu

10 Home menu button

- BD - Home menu
- TV, AMP, SAT, DVD - Set-up menu

11 Volume button

- BD, TV, SAT, DVD - TV volume up/down.
- AMP - Amplifier volume up/down.

12 Mute button

- BD, TV, SAT, DVD - Mute TV.
- AMP - Mute amplifier.

13 Rewind slow/Record button

- BD - Rewind slow
- DVD - Record

14 Rewind button

- BD, SAT, DVD - Rewind
- AMP - Decrease the volume of the center loudspeaker

15 Previous button

- BD, DVD - Previous
- AMP - Decrease the volume of the rear loudspeakers
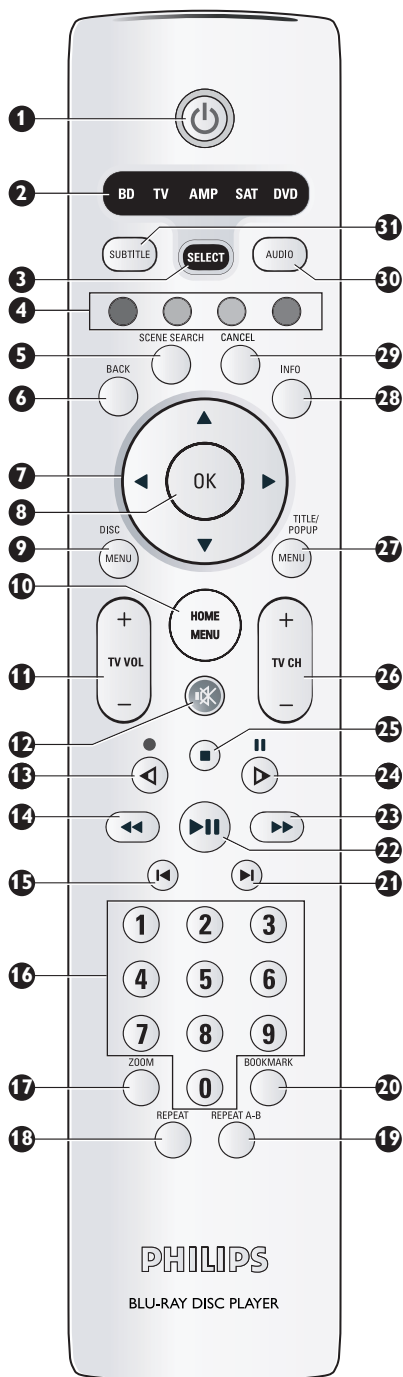
16 Number keys
- BD, TV, SAT, DVD - Enter digits
- AMP - Chooses the audio source (1 = TV, 2 = DVD, 3 = VCR, 4 = Tuner, 5 = CD, 6 = Aux/SAT/MD, 7 = Tape).

17 Zoom button
- BD, DVD - Zoom
- AMP - Surround mode

18 Repeat button
- BD - Repeat title, chapter, track or disc, random

19 Repeat A-B
- BD, DVD - Repeat a defined selection

20 Bookmark button
- BD - Bookmark a position on the disc.
- DVD - Select a chapter

21 Next button
- BD, DVD - Next
- AMP - Increase the volume of the rear loudspeakers.

22 Play/Pause button
- BD - Play/Pause
- SAT, DVD - Play

23 Fast forward button
- BD, SAT, DVD - Fast forward
- AMP - Increase the volume of the center loudspeaker

24 Slow forward button
- BD - Slow forward
- DVD - Pause

25 Stop button
- BD, SAT, DVD - Stop

26 Channel button
- BD, TV, SAT, DVD - TV Channel up/down

27 Title/Pop-up menu button
- BD - Title/pop-up menu
- SAT, DVD - Guide

28 Info button
- BD, TV, SAT, DVD - Info

29 Cancel button
- BD - Cancel

30 Audio button
- BD, DVD - Audio
- AMP - Surround on/off

31 Subtitle button
- BD, SAT, DVD - Subtitles

Prepare

Prepare the remote control

1   Open the battery compartment of the remote control.
2   Insert the batteries correctly.
3   Close the battery compartment.
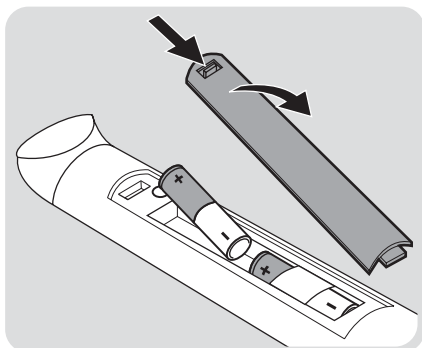
Set up

Test the remote control

The instructions are applicable to a TV. You can use the same procedure to test other devices (for example, DVD players or home theater systems).

1   Turn the TV on with the controls on the TV or its own remote control.
2   Select the **TV** mode.
    > *The **TV** mode light comes on.*
3   Make sure that you can operate the TV with the universal remote control. Refer to 'Overview' on page 5 for an overview of the functions of the keys and the buttons.
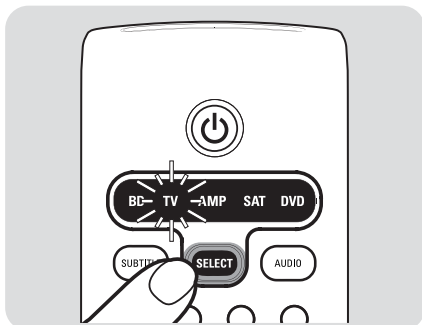
> If the device does not react correctly to the universal remote control, you must identify the device yourself (refer to 'Identify devices').

Identify devices

Manually

If a device does not react correctly to the universal remote control, you must identify the device yourself. The instructions are applicable to a TV. You can use the same procedure to identify other devices (for example, DVD players or home theather systems).

1   Turn the TV with its own remote control or the TV.
2   Go to the first TV channel.
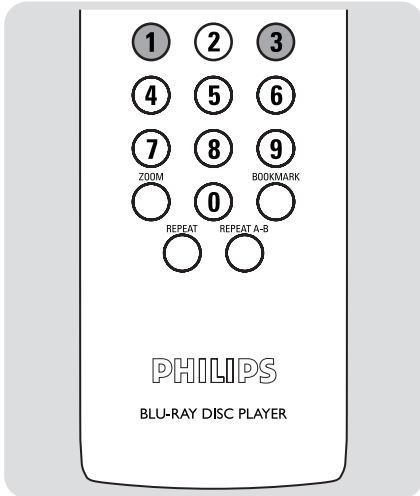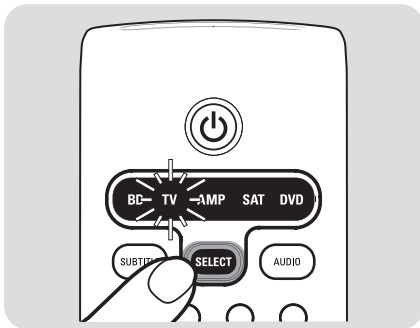
3 Press the mode selector until the **TV** light comes on.
4 Find the first code for the TV in the TV code list (refer to 'Codes' on page 16).

5 Press-and-hold the **1** and **3**.
6 When the **TV** light flashes two times, release the **1** and **3**.
7 Enter the code from step 4.

> After the first and second digits, the **TV** light flashes one time. After the third digit, the **TV** light goes off and flashes two times.

8 Make sure that you can operate the TV with the universal remote control. Refer to 'Overview' on page 5 for an overview of the functions of the keys and the buttons.

> If the device does not react correctly to the universal remote control:
> 1 Find the next code in the code list.
> 2 Go back to step 5.
>
> **OR**:
> 1 Search automatically for the correct code.

Search automatically for the correct code
1 Turn the TV on with its own remote control or the controls on the TV.
2 Go to the first TV channel.
3 Press the mode selector until the **TV** light comes on.
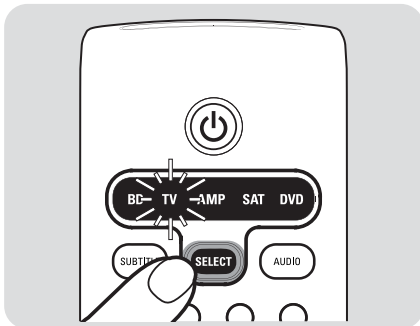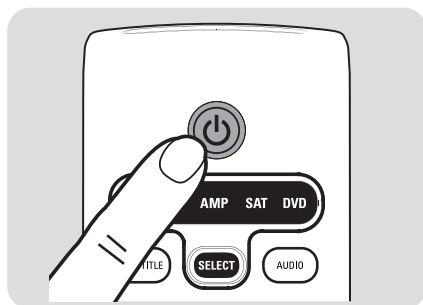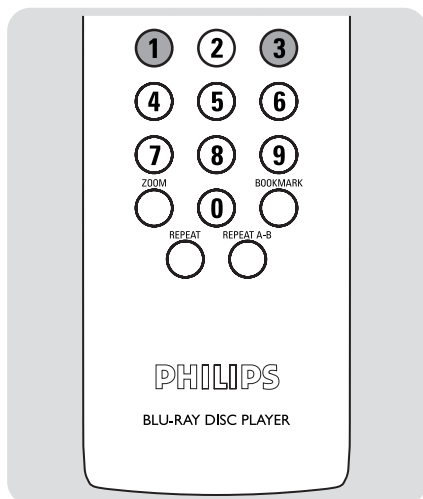
4 Press-and-hold the **1** and **3**.

5 When the **TV** light flashes two times, release the **1** and **3**.

6 Press the stand-by button.

> *The universal remote control searches automatically for the signal that turns the TV off. Each time that the universal remote control transmits a signal, the **TV** light in the display flashes.*

7 When the TV is turned off, press the stand-by key.

8 Make sure that you can operate the TV with the universal remote control. Refer to 'Overview' on page 5 for an overview of the functions of the keys and the buttons.

Enjoy

Volume buttons

Depending on the selected mode, the volume buttons are assigned to the TV or the amplifier: These are the factory settings:

Mode	Volume buttons
BD	TV
TV	TV
AMP	Amplifier
SAT	TV
DVD	TV

You can change the assignment of the volume controls. For example, you can assign the volume button in the **TV** mode to the amplifier:

1 Select the **TV** mode.
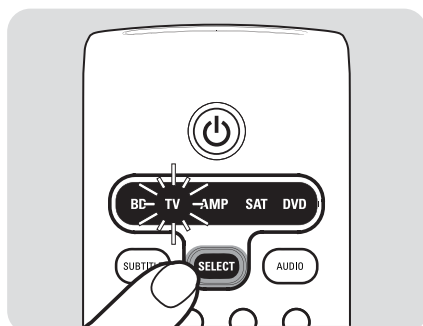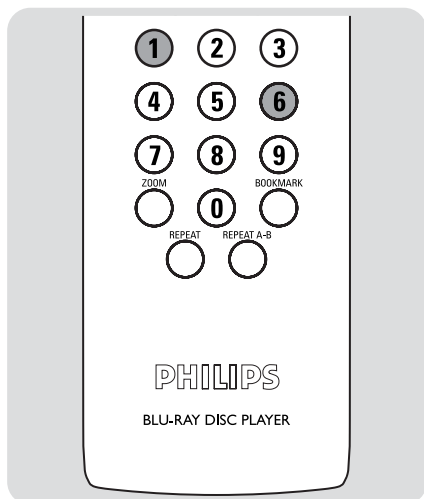
2 Press-and-hold the **1** and **6** until the **TV** mode light flashes two times.
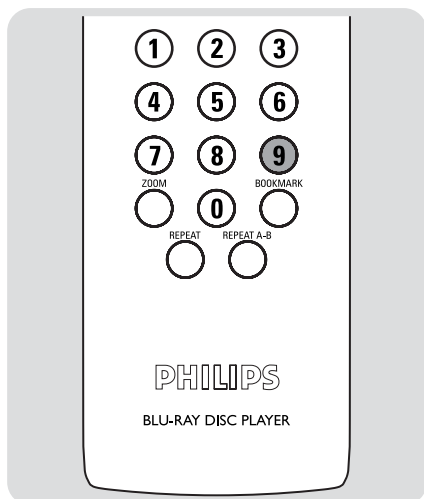
3 Press the **9**.
> *The mode light flashes one time.*
4 Press the **9** again.
> *The mode light flashes one time.*
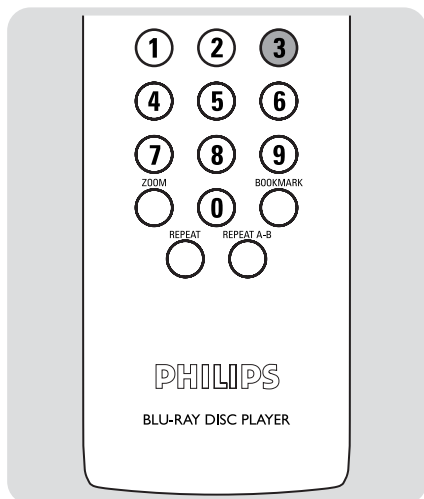
5 Press the **3**.
> *The mode light flashes two times.*
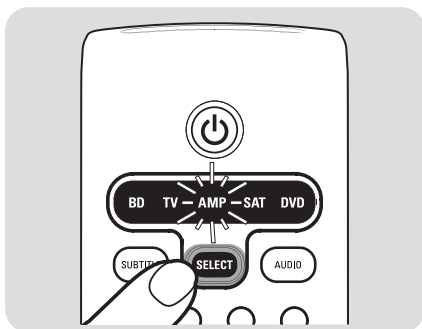
6 Select the **AMP** mode.

7 Press any button.

> *The volume button is assigned to the amplifier.*

Copy functions

You can copy the function of a device from its own mode to another mode. For example, the mute button of the **AMP** mode to the **TV** mode. Then, you can mute the amplifier in the TV mode.
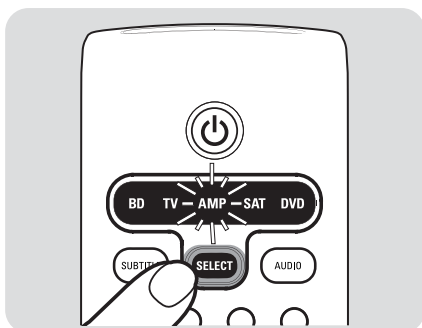
1 Select the **AMP** mode.
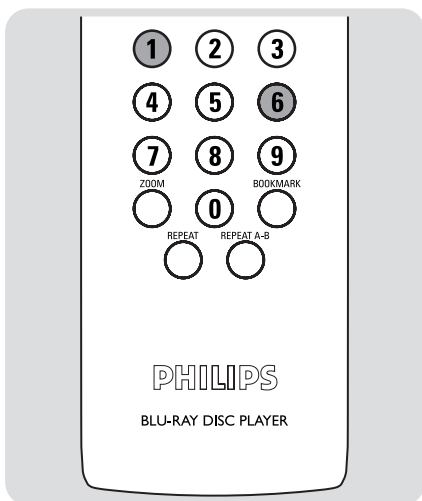
2 Press-and-hold the **1** and **6** until the **AMP** mode light flashes two times.
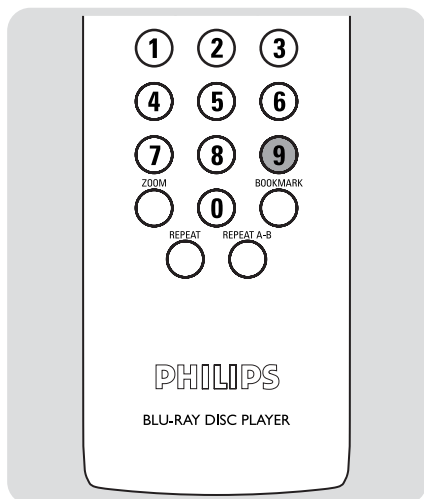
3 Press the **9**.
> *The mode light flashes one time.*
4 Press the **9** again.
> *The mode light flashes one time.*
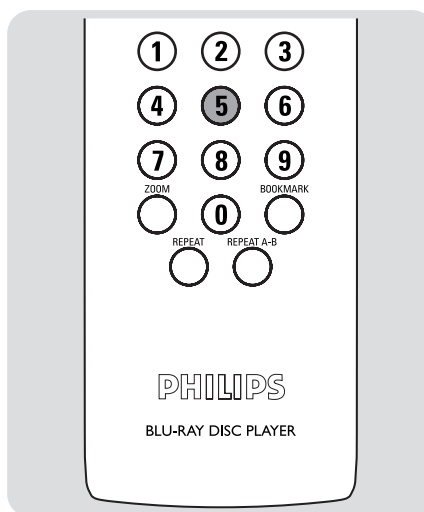
5 Press the **5**.
> *The mode light flashes one time.*
6 Press the mute button (the source button).
> *The mode light flashes one time.*
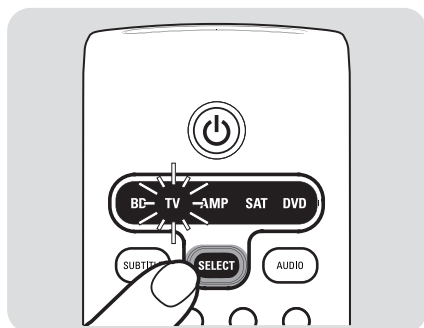
7 Select the **TV** mode.
> *The **TV** mode light comes on.*
8 Press the target button.
> *The function is copied.*

Restore the factory default settings

1 Press-and-hold the **1** and **6** until the mode light flashes two times.
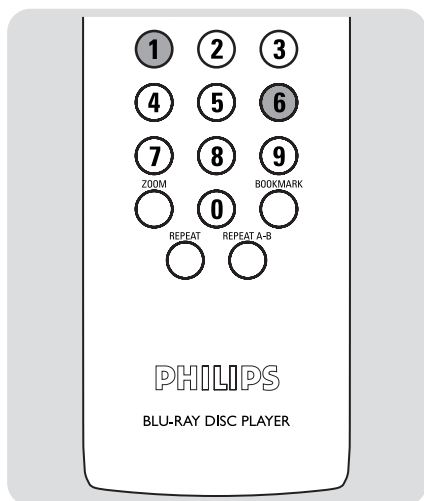
2 Press the **9**.
> *The mode light flashes one time.*
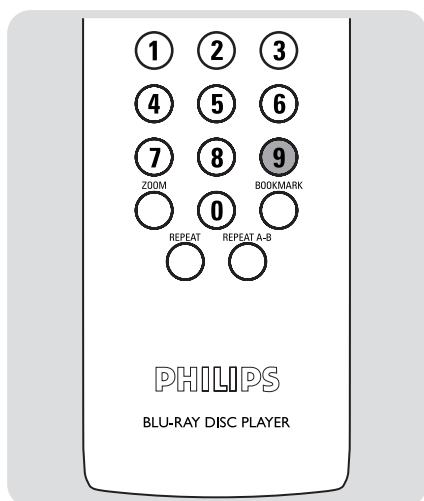
3 Press the **8**.
> *The mode light flashes one time.*
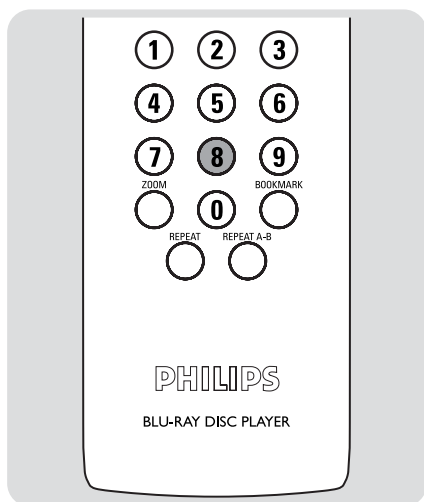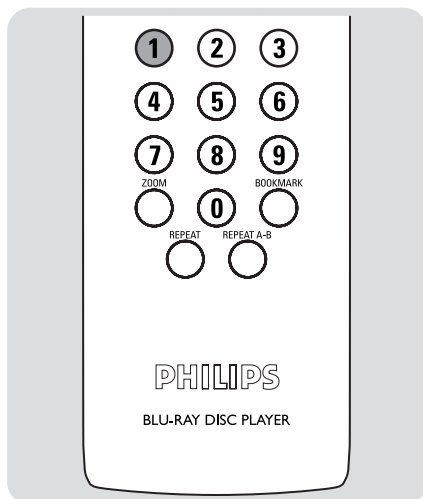
4 Press the **I**.
> *The mode light flashes two times and the factory default settings are restored.*

Replace the batteries

WARNING DO NOT USE OLD AND NEW BATTERIES OR DIFFERENT TYPES OF BATTERIES IN COMBINATION. IF YOU DO, THE BATTERIES CAN LEAK CHEMICALS. THE CHEMICALS CAN CAUSE DAMAGE TO THE PRODUCT AND CAUSE INJURIES.

• When you replace the batteries, make sure you replace them within 5 minutes. The memory of the universal remote control holds all programmed settings for 5 minutes. After 5 minutes, the programmed settings are replaced with the factory default settings.
• When you replace the batteries, make sure that you do not press any key or button. If you do, the programmed settings can be replaced with the factory default settings.
• To prevent battery leakage which may result in bodily injury, property damage, or damage to the unit:
    • Install all batteries correctly, + and - as marked on the unit.
    • Do not mix batteries (old and new, or carbon and alkaline, etc.)
    • Remove batteries when the unit is not used for a long time.
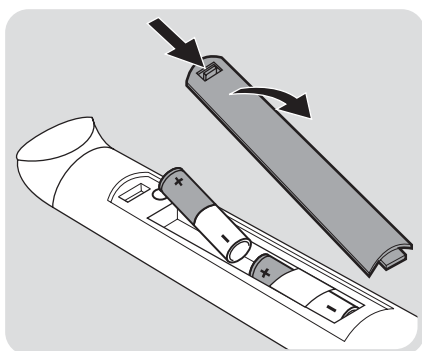
I Open the battery compartment.
2 Remove the used batteries.
3 Insert the new batteries correctly.
4 Close the battery compartment.

Troubleshooting

Problems and tips

Problem	Tip
The device indicator flashes four times when you press a key or button.	Replace the batteries. Refer to page 14.
The device that you want to operate does not respond **AND** the device indicator does not flash when you press a key or button.	Replace the batteries. Refer to page 14.
The device that you want to operate does not respond **AND** the device indicator flashes when you press a key or button.	Remove any obstructions between the remote control and the device.
The universal remote control does not correctly operate the device.	Identify the device again. Refer to page 7.
You cannot copy functions.	The function copy keys is limited to six keys. Restore the factory default settings to delete the copy keys. Refer to page 13.

Technical data

Infra-red capabilities

Operating distance	30 ft (10 m)
Transmitting LEDs	1
Carrier frequency range	36 kHz
Transmission angle	± 22.5 degrees

Dimensions

Product dimensions (WxDxH)	1.9 x 1.1 x 9.3 in (47 x 29 x 237 mm)
Product weight	8 oz (226 g)

Power

Number of batteries	2
Battery type	AA

Codes

TV

Abex	018						
Acer	027						
Admiral	000	019					
Adventura	020						
Aiko	008						
Aiwa	049						
Akai	001						
Alleron	011						
Amtron	010						
Anam National	002	010					
AOC	003	004					
Apex	043	044	056	083			
Audiovox	010						
Bell & Howell	000						
Benq	042	068					
Bradford	010						
Broksonic	053	057					
Candle	004	005	020				
Celebrity	001						
Citizen	004	005	008	010	016	017	
Colortyme	004						
Concerto	004						
Contec/Cony	006	010					
Craig	010						
Crown	010	014					
Curtis Mathes	004	007	016	017	024		
CXC	010						
Daewoo	003	004	008	017	041	067	
Daytron	004	017					
Dell	071	072					
Dimensia	024						
Electroband	001						
Electrohome	001	002	004				
Emerson	004	006	009	010	011	017	022	041
Envision	004						
Fisher	040						
Fujitsu	011	026					
Funai	010	011					
Futuretech	010						
Gateway	045						
GE	002	004	012	013	024	073	084
Goldstar	003	004	006	017	018		
Grunpy	010	011					
Hallmark	004						
Harvard	010						
Hisense	051						
Hitachi	004	006	023	039	064	065	066
IMA	010						
Infinity	014						

Janeil	020								
JBL	014								
JC Penney	003	004	005	012	013	016	017	018	024
JCB	001								
Jensen	004								
JVC	006	013	015	038	054	063			
Kawasho	001	004							
Kenwood	004								
Kloss Novabeam	010	020							
KTV	010	017							
LG	003								
Loewe	014								
Logik	000								
Luxman	004								
LXI	004	014	024						
Magnavox	004	005	014	075					
Majestic	000								
Marantz	004	014							
Megatron	004								
Memorex	000	003	004	037					
MGA	003	004							
Midland	013	017	018						
Minutz	012								
Mitsubishi	003	004	036						
Montgomery Ward	000								
Motorola	002	019							
MTC	003	004	016						
Multitech	010								
NAD	004	023							
NEC	002	003	004						
NET-TV	046								
Nikko	004	008							
NTC	008								
Onwa	010								
Optimus	023								
Optonica	019								
Orion	009	022	035						
Panasonic	002	013	014	034	059				
Philco	002	003	004	005	006	014			
Philips	002	005	006	014	033	047	060	076	
Philips Magnavox	076								
Pilot	017								
Pioneer	004	023	048						
Portland	003	004	008	017					
Price Club	016								
Prima	052								
Prism	013								
Proscan	024								
Proton	004	006							
Quasar	002	013	032	085					
Radio Shack	024								
Radio Shack/Realistic	004	006	010	017	018				
RCA	002	003	004	024	086				
Realistic	024								
Sampo	004	017	018						
Samsung	003	004	006	007	016	017	018	031	081	082
Sansui	022	035	058						

Scotch	004								
Scott	004	006	009	010	011				
Sears	004	011	015	021	024				
Sharp	004	006	017	019	030	069	079		
Signature	000								
Simpson	005								
Sony	001	047	062						
Soundesign	004	005	010	011					
Squareview	021								
SSS	010								
Starlite	010								
Supre-Macy	020								
Supreme	001								
Sylvania	004	005	014	025	074	078			
Symphonic	010	021	029						
Tandy	019								
Tatung	002								
Technics	013								
Techwood	004	013							
Teknika	000	003	004	005	006	008	010	011	016	017
TMK	004								
Toshiba	016	028	061	080					
Totevision	017								
Universal	012								
Victor	015								
Vidtech	003	004							
Viewsonic	077								
Viking	020								
Wards	000	003	004	011	012	014	024		
White Westinghouse	041								
Yamaha	003	004							
Zenith	000	050	055	070					

Amplifiers

Aiwa	003	020	037	038	052			
BOSE	049	063						
Carver	002	052						
Citizen	026							
Denon	014	053						
Fisher	002							
GE	028							
Goldstar	016	021						
Harmon/Kardon	013	043	052					
Hitachi	034							
JBL	043							
JVC	018	024	064					
Kenwood	015	022	039	057	058			
Koss	065							
Linn	052							
Magnavox	035	052						
Marantz	000	052						
Nakamichi	012							
NEC	033							
Onkyo	005	006	017	044	066			
Optimus	008							
Panasonic	001	045	046					
Philips	052	067	071					
Pioneer	004	009	010	023	036	042	056	068
Proton	035							
Quasar	001							
RCA	025	040	050	051	069			
RePlay	028							
Sansui	052							
Sharp	029	030	031	032				
Sherwood	011	048						
Sony	020	041	047	055	060	061	062	
Teac	019							
Technics	001	045	046	054				
Toshiba	027							
Venturer	070							
Victor	024							
Wards	042	052						
Yamaha	007	042	059					

Set-top boxes

Satellite

Alphastar	023						
Chaparral	002	003					
DISH Network	053						
Dishnet	022						
Drake	004	005					
Echostar	030						
GE	000	001	016	033			
General Instruments	006	007	008				
Hitachi	026	027					
Hughes	051						
Hughes Network Systems	021	031					
JVC	025						
Mitsubishi	040						
Panasonic	019	045	048	049			
Philips	028	037	044	051	054	109	
Primestar	020						
Proscan	000	001	016	033			
RCA	000	001	016	024	033	038	050	051
Realistic	009						
Samsung	041	042	051				
Sony	017	034	036	039	043	052	
STS	032						
STS1	010						
STS2	011						
STS3	012						
STS4	013						
Toshiba	014	018	046				
Uniden	015	029					
Zenith	035	047					

Cable

ABC	055	056	057	059	101			
Antronix	061	062						
Archer	062	063						
Cabletenna	061							
Cableview	060							
Colour Voice	065	066						
Comtronics	067							
Contec	069							
Eastern	070							
GC Electronics	062							
GE	055	056						
Gemini	071	072						
General Instruments	056	103	106					
Hamlin	073	074	075	081	088	094	102	
Hitachi	056							
Jerrold	056	071	076	077	095	101	103	
Magnavox	078							
Memorex	079							
Motorola	107							
Movie Time	080							
NEC	058							
NSC	080							
Oak	069	082						
Panasonic	097	100						
Philips	064	065	066	068	072	078	083	084	085
Pioneer	086	087						
Proscan	055	056						
RCA	060	096	098	100	103			
Realistic	062							
Regal	075	088	102					
Regency	070							
Rembrandt	056							
Samsung	087							
Scientific Atlanta	059	089	090	091	104			
Signal	071							
Signature	056							
Sony	105							
Sprucer	100							
Standard Component	092	093						
Starcom	071	101						
Stargate	071							
Starquest	071							
TIME WARNER	108							
Tocom	057	076						
Tusa	071							
TV86	080							
Unika	061	062						
United Cable	101							
Universal	061	062	063					
View Star	069	078	080					
Zenith	099							

DVD

Players

Memorex	008							
Mintek	009							
Mitsubishi	084	100						
NAD	040	094						
Nakamichi	078							
Nexxtech	095							
Norcent	010	079						
Onkyo	002	011						
Oritron	013							
Panasonic	047	054	072	073				
Philips	021	027	033	171				
Pioneer	003	012						
Polaroid	001							
Proscan	080	099						
Qwestar	013							
RCA	024	030	036	044	055	069	074	080
Sampo	081							
Samsung	014	031	053					
Sansui	050							
Sanyo	032	082						
Sharp	015	016	026	060	062			
Sherwood	083							
Sony	017	018	046	048	049	063		
Sylvania	045	056	066					
Techwood	096							
Toshiba	019	058	067					
Venturer	004							
Yamaha	101							
Zenith	034	088						

Recorders

Apex Digital	181			
Panasonic	175			
Philips	173	176	178	179
Pioneer	177			
RCA	172			
Sony	174			
Yamaha	180			

VCR

Adventura	115								
Aiko	116								
Aiwa	115								
Akai	103	125							
American High	113								
Asha	108								
Audio Dynamics	104	105							
Audiovox	109								
Beaumark	107	108							
Bell & Howell	106								
Broksonic	107	145	146						
Calix	109								
Candle	108	109	110	111	112				
Canon	113								
Capehart	124								
Carver	121								
CCE	116	120							
Citizen	108	109	110	111	112	116			
Colortyme	104								
Colt	120								
Craig	108	109	114	120					
Curtis Mathes	104	108	111	112	113	127			
Cybernex	108								
Daewoo	110	115	116	124	140				
Daytron	124								
DBX	104	105							
Dimensia	127								
Dynatech	115								
Electrohome	109	117							
Electrophonic	109								
Emerson	107	109	110	113	115	117	147		
Fisher	106	114							
Fuji	103	113							
Funai	115	128							
Garrard	115								
GE	108	113	127	153					
Go Video	130	137	167						
Goldstar	104	109	112						
Gradiente	115								
Harley Davidson	115								
Harmon/Kardon	104								
Harwood	120								
Headquarter	106								
Hi-Q	114								
Hitachi	119	125	169						
Instant Replay	113								
JC Penney	104	105	106	107	108	109	113	119	120	121
JCL	113								
Jensen	119	125							
JVC	104	105	106	112	125	131			
Kenwood	104	105	106	111	112	125			
KLH	120								
Kodak	109	113							
LG	109								

Lloyd's	115							
Logik	120							
LXI	109							
Magnavox	113	121	123					
Magnin	109							
Marantz	104	105	106	111	112	113	121	
Marta	109							
Matsushita	113							
MEI	113							
Memorex	106	108	109	113	114	115	123	129
MGA	117							
MGN Technology	108							
Midland	118							
Minolta	119							
Mitsubishi	117	119	166					
Motorola	113							
MTC	108							
Multitech	108	111	115	118	120			
NEC	104	105	106	111	112	125		
Nikko	109							
Noblex	108							
Olympus	113							
Optimus	109							
Optonica	122							
Orion	129							
Panasonic	113	141	142	143	150	165		
Pentax	111	119						
Pentex Research	112							
Philco	113	121						
Philips	113	121	122	135				
Pilot	109							
Pioneer	105	119						
Polaroid	168							
Portland	111	124						
Proscan	127							
Protec	120							
Pulsar	123							
Quarter	106							
Quartz	106							
Quasar	113	154						
Radio Shack	109	122						
Radio Shack/Realistic	106	108	109	113	114	115	117	122
Radix	109							
Randex	109							
RCA	108	113	119	127	132	139	155	
Realistic	106	108	109	110	113	114	115	117	122
Ricoh	126							
Runco	123							
Samsung	108	110	118	133	148	152		
Sanky	123							
Sansui	105	125	129					
Sanyo	106	108	114	134				
Scott	107	110						
Sears	106	109	113	114	119			
Sharp	117	122	144	161				
Shintom	103	120						
Shogun	108							

Singer	113	120	126						
Sony	103	149	163						
STS	113								
Sylvania	113	115	121	151	156	164			
Symphonic	115	128							
Tandy	106								
Tashiko	109								
Tatung	125								
Teac	115	125							
Technics	113								
Teknika	109	113	115						
Tivo	138								
TMK	108								
Toshiba	110	119	157	159	160	162			
Totevision	108	109							
Unitech	108								
Vector Research	104	105	110	111					
Victor	105								
Video Concepts	104	105	110	111					
Videosonic	108								
Wards	108	109	110	113	114	115	117	119	120	122
White Westinghouse	128								
XR-1000	113	115	120						
Yamaha	104	105	106	112	125				
Zenith	103	123	126	136	158	170			